



**PROJECT**                      Technology Roadmap

**PROJECT LOCATION**                      1234 5678 Street  
1234 5678 Street, Building 1000, 1234  
1234 5678 Street, Building 1000, 1234  
1234 5678 Street, Building 1000, 1234

**CLIENT NAME**                      1234 5678 Street, Inc.

**CLIENT ADDRESS**                      123 456 Street, Inc., 1234 5678 Street, 1234 5678 Street

The sample information was provided confidentially as requested by the client.

**CONTACT NAME**                      1234 5678 Street

**CONTACT PHONE**                      123 456 789 0123

**CONTACT EMAIL**                      1234 5678 Street, Inc., 1234 5678 Street, 1234 5678 Street  
1234 5678 Street, Inc., 1234 5678 Street, 1234 5678 Street

Report No.

Report No.



1234 5678 Street, Inc.  
1234 5678 Street, Inc.



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1234 5678 Street, Inc.

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Page 1 of 1

## Safety Data Sheet:

# Synthetic Nicotine

## Report number: SynSafeData-2024-001

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

#### Product identifier

Product Name:	Synthetic Nicotine
CAS No.:	14782-79-1
EC No.:	-
Molecular Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub>
EMSA Registration Number:	-

#### Relevant identified uses of the substance or mixture and uses which are prohibited

Relevant identified uses (intended/purposes):	Research and manufacturing
	Research and manufacturing

#### Details of the supplier of the Synthetic Nicotine

Name of the company:	SafeLife Labs Inc.
Address of the company:	123 Main Street, Suite 500, New York, NY 10001, USA
Phone number:	+1 212 555 1234
Telephon number:	+1 212 555 1234
Fax number:	+1 212 555 1234
E-mail address:	info@safelife.com

#### Emergency phone number

Emergency phone number:	24/7 Emergency: +1 800 555 1234
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### 2 Hazards identification

#### CLP classification according to Regulation (EC) No. 1272/2008

Acute Toxicity - Oral	Category 3
Acute Toxicity - Dermal	Category 2
Hazardous for the Aquatic Environment - Long-term (Chronic Effect)	Category 3

#### Label elements

Environmental hazard	
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Regulation	Example
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<b>General statements</b>	
0100	Basic Protection
0101	Resistant against water
0102	Resistant against fire and heat

## **Performance statements**

<b>Resistance</b>	
0200	Resistant against water, water, or oil
0201	Resistant against water, water, or oil
0202	Resistant against water, water, or oil
0203	Resistant against water, water, or oil
0204	Resistant against water, water, or oil

<b>Resistance</b>	
0300	Resistant against water, water, or oil
0301	Resistant against water, water, or oil
0302	Resistant against water, water, or oil
0303	Resistant against water, water, or oil
0304	Resistant against water, water, or oil

<b>Storage</b>	
0400	Resistant against water, water, or oil

<b>Resistance</b>	
0500	Resistant against water, water, or oil

<b>Other features</b>	
0600	Resistant against water, water, or oil

## **Comparison**

Component	EN 12468	EN 12469	EN 12470	Material classification according to EN 12468	Comparison EN 12468
Resistant against water	EN 12468 - 12469	-	-	Category 1, EN 12468 - 12469 Category 2, EN 12468 - 12469 Category 3, EN 12468 - 12469 Category 4, EN 12468 - 12469 Category 5, EN 12468 - 12469 Category 6, EN 12468 - 12469 Category 7, EN 12468 - 12469 Category 8, EN 12468 - 12469 Category 9, EN 12468 - 12469 Category 10, EN 12468 - 12469	100

## **Final and measures**

### **Description of final and measures**



1. Exchange with environment must be avoided.

### Methods and materials for containment and cleaning up

1. Spills of liquid material in dry room or over absorbent, in case of large amount of spillage, within a spillage bunding.
2. Absorption of solid material should be promptly disposed of in accordance with appropriate laws and regulations.
3. Remove all material of spillage, via appropriate tools and explosion proofing process.

## 2 Handling and storage

### Precautions for handling

#### Protection measures

1. Handling is performed in well-ventilated place.
2. Wear suitable protective equipment.
3. Avoid contact with skin and eyes.

#### Measures to prevent generation of aerosols

1. Keep away from heat/ignite/heat sources, hot surfaces.

#### Measures to prevent environmental contamination

1. Not appropriate.

#### Advice on general occupational hygiene

1. Wash hands and face after ending the operation.
2. Replace contaminated clothing immediately.

### Conditions for safe storage, including any incompatibilities

1. Temperature tightly control.
2. Temperature stability and avoid contamination.
3. Keep away from heat/ignite/heat sources, hot surfaces.
4. Keep away from incompatible materials and hazardous materials.
5. Storage temperature generally should not be higher than 12 °C, relative humidity generally should not be higher than 60%.

### Spills and leaks

1. Caution to use appropriate first aid kits, and use other specific actions.

## Exposure controls, personal protection

### Control parameters

#### Occupational exposure limit values

Occupational exposure limit values	Respiratory regulators
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#### Biological indicators

Biological indicator values	Respiratory regulators
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#### Monitoring methods

1. **EN 14001** (Management systems) Guide for the application and use of procedures for the assessment of measures for chemical and biological agents.
2. **EN 14001** (EN 14001:2005) (Management of toxic substances in workplaces in relation to EN 14001).
- EN 14001:2005 (Management of toxic substances in workplaces in relation to EN 14001).

Element	Status of evidence	2000 New Studies			
		Active effects (New)	Active effects (replicated)	Passive effects (New)	Passive effects (replicated)
Executive functions (EFs) (N=20)	Active	No data available	No data available	No data available	No data available
	Pass	No data available	No data available	No data available	No data available
	Pass	No data available	No data available	No data available	No data available

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Revised 10/2009

**Figure 1**

1. Ensure adequate ventilation, especially in confined areas.
2. Ensure that appropriate electrical and safety measures are taken to the work environment.
3. Use appropriate personal protective equipment (PPE) throughout.
4. Develop emergency exit and recovery risk distribution plans.
5. Maintain communication with local authorities and emergency services.





General requirements	     
Age restriction	Age 18+ (19+ for people involved in the production of pornography)
Indiscreetness	Age 18+ (19+ for people involved in the production of pornography)
Discreetness	Age 18+ (19+ for people involved in the production of pornography)
Other restrictions	Age 18+ (19+ for people involved in the production of pornography)


[University of Michigan](#)

Figure 1

Approximate	Reference Temperature (K)
solid	No information available
Solid dissolved	No information available
gas	No information available
solubility (solid/liquid)	-10
Self-diffusion (solid) and solubility (solid/liquid)	1000-1500 (°C)
Electron conductivity	not known
Thermal conductivity	No information available



PFBS reported exposure Exposure hazard	Based on available data, bio-accumulation information not used
PFBS self monitoring Exposure hazard	Based on available data, bio-accumulation information not used
PFBS self monitoring Exposure hazard	Based on available data, bio-accumulation information not used
PFBS self monitoring Exposure hazard	Based on available data, bio-accumulation information not used

## 12 Ecological information

### 12.1 Acute aquatic toxicity

Acute aquatic toxicity	No information available
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### 12.2 Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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### 12.3 Persistence and degradability

Persistence and degradability	No information available
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### 12.4 Bioaccumulative potential

Bioaccumulative potential	No information available
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### 12.5 Mobility in soil

Mobility in soil	No information available
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### 12.6 Results of PBT and vPvB assessment

Component	Criteria	Results of PBT and vPvB assessment (according to [REDACTED])
Substance Release	Not applicable	Not applicable



## 13 Chemical characterization

### 13.1 Physical characterization

Physical characterization	Refer to the relevant national and international standards and regulations. No information is available.
Chemical characterization	Refer to the relevant national and international standards and regulations. No information is available.
Biological characterization	Refer to the relevant national and international standards and regulations. No information is available.

## 14 Transport information

### 14.1 Label and Mark

Transport label	
Transport mark	



Island class	
Feeding group	II
Special provisions	-
Limited quantities	nil/nil
Carryover quantities	Nil
Subsistence provisions	Nil/Nil
Special feeding provisions	-
Other feeding provisions	nil/nil
Transfer rules, multiple containers/instructions	-
Excluded (order-specific) provisions special provisions	-
Additional rules	Nil
Additional special provisions	Nil/Nil
Vehicle for technology	Nil
Transfer category/total container code	[ 047]
Special provisions for carrying/feeding	-
Special provisions for carrying/feeding	-
Special provisions for carrying/feeding	nil/nil
Carrying and feeding	nil/nil
Special provisions for carrying/feeding	nil/nil
Transfer instructions	Nil
Index	1

## Appendix 1: Index

### Appendix 1: Index

Component	000000	000000	000000	000000	000000	000000	000000	000000	000000
Systemic transfer	1	1	1	1	1	1	1	1	1

000000: Transfer history of feeding/transfer/transfer/transfer

000000: Index from the database/transfer for transfer

000000: Transfer/transfer/transfer/transfer

000000: This transfer/transfer/transfer/transfer

000000: Transfer/transfer/transfer/transfer

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000000: Transfer/transfer/transfer/transfer/transfer

## European chemical inventory

Component	1	2	3	4	5	6	7
System/Function	+	+	+	+	+	+	+

EX) Includes list of substances which may become for authorization under REACH regulation

EX) Substances requiring authorization under REACH regulation

EX) Substances restricted under REACH

EX) Biocidal products under the BPR

EX) Pesticides under the PPP Regulation

EX) Substances included in other under-formats

EX) Non-physical substances under the waste policy (physical substances)

Note

- ✓ indicates whether substance included in the regulation
- ✓ means authorized in the regulation

## 20. CCL form

### Informational overview

Creation Date	2019-03-01
Revision Date	2019-03-01
Source for revision	-

### References

REACH: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32006/03/0001>

REACH: <https://ec.europa.eu/chemicals/substances>

REACH: The Basic Substances Inventory (Basic Substances) website

<https://echa.europa.eu/en/information-on-chemicals/basic-substances-inventory>

REACH: <https://echa.europa.eu/en/information-on-chemicals/basic-substances-inventory>

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### Substances and categories

REACH: <https://echa.europa.eu/en/information-on-chemicals/basic-substances-inventory>

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