

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 9 Oct 2023

Print date: 20 Oct 2023

Version: 1

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## High Moisture Nicotine Pouches NP2 10.9mg Slim

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

#### 1.1. Product identifier

Trade name/designation:

High Moisture Nicotine Pouches NP2 10.9mg Slim

Other means of identification:

PTN01358 v1

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

Use of the substance/mixture:

The product is intended for research, analysis and scientific education.

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

**Manufacturer:**

**BAT Pécsi Dohánygyár Kft.**

Francia utca 2

7630 Pécs

Hungary

**Telephone:** +36 72 504 100

**E-mail:** sds-eliqum@bat.com

**Manufacturer:**

**Fiedler & Lundgren AB**

Stenåldersgatan 23-25

213 76 Malmö

Sweden

**Telephone:** +46406359900

**E-mail:** sds-eliqum@bat.com

#### 1.4. Emergency telephone number

24h: +44 1235 239670 ; UK Poison Centre NPIS: 0344-8920111 (medical professionals only)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox.</i> 4)	H302: Harmful if swallowed.	Calculation method.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS07**

Exclamation mark

**Signal word:** Warning

**Hazard components for labelling:**

nicotine

Hazard statements for health hazards	
H302	Harmful if swallowed.

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Supplemental hazard information: none

### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

### Precautionary statements Prevention

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

### Precautionary statements Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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### Precautionary statements Disposal

P501	Dispose of contents in accordance with local, regional or national regulations.
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### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 54-11-5 EC No.: 200-193-3 Index No.: 614-001-00-4 REACH No.: 01-2120066934-47-0000	<b>nicotine</b> Acute Tox. 2 (H330, H310, H300), Aquatic Chronic 2 (H411)  Danger <b>Acute Toxicity Estimate</b> ATE (oral): 5 mg/kg ATE (dermal): 70 mg/kg ATE (inhalation, dust/mist): 0.19 mg/L	0 - < 1.65 weight-%

Full text of H- and EUH-phrases: see section 16.

## 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). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air.

#### In case of skin contact:

Take off immediately all contaminated clothing.

#### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

Wear personal protection equipment (refer to section 8). No direct artificial respiration to be given by first aider.

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

If exposed to large quantities of the product, acute nicotine poisoning might occur causing symptoms such as nausea, excess salivation, abdominal pain, diarrhoea, sweating, headache, dizziness, disturbed hearing and weakness. In extreme cases, these symptoms may be followed by depression of the central

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nervous system, including confusion, hypotension, rapid or weak or irregular pulse, breathing difficulties, prostration, circulatory collapse and terminal convulsions.

### 4.3. Indication of any immediate medical attention and special treatment needed

ONLY FOR MEDICAL PERSONNEL: In case of severe nicotine poisoning, if airway is secured, administration of activated charcoal should be considered. Do NOT administer antacids; alkaline conditions improve the absorption of nicotine. Monitor breathing patterns and maintain circulation. Cholinergic symptoms may be treated with atropine.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:**

Dry extinguishing powder, alcohol resistant foam, Water spray jet

**Unsuitable extinguishing media:**

Full water jet

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

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

**Personal precautions:**

Do not enter storage, handling and production areas if unauthorized.

**Emergency procedures:**

Do not walk on the spillage and avoid any kind of contact. Ventilate affected area if safe to do so. Evacuate the danger area immediately and follow the emergency procedures of your workplace.

#### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Collect spillage. Measures to prevent aerosol and dust generation: Wet clean or vacuum up solids.

**For cleaning up:**

Water (with cleaning agent)

**Other information:**

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

It is recommended to design all work processes always so that the following is excluded: Strong acid, Highly oxidising substances. Wear personal protection equipment (refer to section 8). Do not breathe dust.

##### Fire prevent measures:

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. To avoid the risk of fire, do not allow this product to dry out.

##### Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection: High efficiency particulate air filter (HEPA filter)

##### Advices on general occupational hygiene

Wash hands before breaks and after work.

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

##### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

##### Requirements for storage rooms and vessels:

Ensure adequate ventilation of the storage area.

##### Hints on storage assembly:

Keep away from: Strong acid, Highly oxidising substances

**Storage class (TRGS 510, Germany):** 10 - 13 - Other combustible and non-combustible substances

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

##### Recommendation:

Observe technical data sheet. Observe instructions for use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	① 0.5 mg/m <sup>3</sup> ② 1.5 mg/m <sup>3</sup> ⑤ (May be absorbed through the skin. )
IOELV (EU)	<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	① 0.5 mg/m <sup>3</sup> ⑤ (May be absorbed through the skin. )

##### 8.1.2. Biological limit values

No data available

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### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.0313 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	8.6 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, systemic effects
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.0443 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.84 mg/kg bw/day	① DNEL worker ② Acute - dermal, systemic effects
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.2 mg/cm <sup>2</sup>	① DNEL worker ② Acute - dermal, local effects

Substance name	PNEC Value	① PNEC type
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.0004 mg/L	① PNEC aquatic, freshwater
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.00004 mg/L	① PNEC aquatic, marine water
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	2.7 mg/L	① PNEC sewage treatment plant
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.00065 mg/ kg	① PNEC sediment, freshwater
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.000065 mg/ kg	① PNEC sediment, marine water
<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3	0.000321 mg/ kg	① PNEC soil, freshwater

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

The exposure frequency, duration and number of exposed persons shall be minimised.

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Eye glasses with side protection EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber). In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

Usually no personal respiratory protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Half-face mask (EN 149 / EN 140-EN 143). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/

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particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Powder

**Colour:** white

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	8.8	② in aqueous solution 5 %
Melting point	<i>not determined</i>	
Freezing point	<i>not determined</i>	
Initial boiling point and boiling range	<i>not determined</i>	
Decomposition temperature	<i>not determined</i>	
Flash point	<i>not determined</i>	
Evaporation rate	<i>not determined</i>	
Auto-ignition temperature	<i>not determined</i>	
Upper/lower flammability or explosive limits	<i>not determined</i>	
Vapour pressure	<i>not determined</i>	
Vapour density	<i>not determined</i>	
Density	<i>not determined</i>	
Relative density	<i>not determined</i>	
Bulk density	<i>not determined</i>	
Water solubility	<i>not determined</i>	
Partition coefficient: n-octanol/water	<i>not determined</i>	
Dynamic viscosity	<i>not determined</i>	
Kinematic viscosity	<i>not determined</i>	

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight. Do not dry up the product.

### 10.5. Incompatible materials

Strong acid, Highly oxidising substances.

### 10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3
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<b>ATE (oral)<sup>1</sup>:</b> 5 mg/kg
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<b>ATE (dermal)<sup>1</sup>:</b> 70 mg/kg
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<b>ATE (inhalation, dust/mist)<sup>1</sup>:</b> 0.19 mg/L
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<b>LD<sub>50</sub> oral:</b> =5 mg/kg (Rat)
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<b>LD<sub>50</sub> dermal:</b> =70 mg/kg (Rabbit)
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<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> =0.19 mg/L (Rat)
--

<sup>1</sup>: Acute Toxicity Estimate. Harmonised (legal) classification.

**Acute oral toxicity:**

Harmful if swallowed.

**Acute dermal toxicity:**

Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Based on available data, the classification criteria are not met.

**Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Additional information:**

No data available

#### 11.2. Information on other hazards

No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3
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<b>LC<sub>50</sub>:</b> ≥3 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout)) OECD 203
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<b>EC<sub>50</sub>:</b> =0.24 mg/L 2 d (crustaceans, <i>Daphnia magna</i> (Big water flea))
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<b>EC<sub>50</sub>:</b> =11 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> ) OECD 201
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<b>NOEC:</b> =3.2 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> ) OECD 201
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#### 12.2. Persistence and degradability

<b>nicotine</b> CAS No.: 54-11-5 EC No.: 200-193-3
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<b>Biodegradation:</b> Yes, rapidly
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### 12.3. Bioaccumulative potential

**nicotine** CAS No.: 54-11-5 EC No.: 200-193-3

Log  $K_{ow}$ : 1.17

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**nicotine** CAS No.: 54-11-5 EC No.: 200-193-3

**Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Do not allow uncontrolled discharge of product into the environment.

#### Waste treatment options

##### Appropriate disposal / Product:

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate authorities about waste disposal.

##### Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

### 14.7. Maritime transport in bulk according to IMO instruments

No data available



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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Other regulations (EU):

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (Text with EEA relevance)

EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

Chemical safety assessments are not required for mixtures.

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
HEPA	High Efficiency Particulate Air
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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### 16.3. Key literature references and sources for data

European Chemicals Agency, <http://echa.europa.eu/>

Umweltbundesamt, <http://webigoletto.uba.de/rigoletto>

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	Calculation method.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H411	Toxic to aquatic life with long lasting effects.

### 16.6. Training advice

Make sure that employees are aware of the intoxication risk. People wearing breathing apparatus must be appropriately trained.

### 16.7. Additional information

No data available