# SAFETY DATA SHEET
## IN ACCORDANCE WITH REGULATION (EC) 1907/2006 (REACH)
## Silicone spray

**Preparing date: 19 September 2023** **Version: 1.**

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

**1.1. Product identifier:** **Silicone spray**

UFI: PQNA-AFCG-FSKC-FFWM

**1.2. Relevant identified uses of the substance or mixture and uses advised against:**
**Identified uses:** Maintenance. Consumer, industrial and professional use.
**Uses advised against:** Use other than identified.

**1.3. Details of the supplier of the safety data sheet**
**Distributor:**

**Email address for competent person responsible for the safety data sheet:**

**1.4. Emergency telephone number**
Health Toxicology Information Service
Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)
06-80-201-199 (free charge, 24 hours a day)
06-1-476 6464

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**

| | | |
|---|---|---|
| **Aerosols Category 1** | H222 | Extremely flammable aerosol. |
| | H229 | Pressurised container: May burst if heated. |

**2.2 Label elements:**
**Composition:** 80-90% propellant (propane, butane, isobutane)

**Signal word:** Danger

**Hazard statements:**

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

**Precautionary statements:**

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/ container to as hazardous waste in accordance with local/ regional/national/international regulation.

**Note:**

When packaging/labelling aerosol products, the provisions of the Decree 34/2014 (X. 30.) of the Ministry of Agriculture and Forestry (on the requirements for the marketing of aerosol products and aerosol packaging) must also be followed.

**2.3 Other hazards:** Product vapours are heavier than air and can spread at ground level. The vapours can form an explosive gas/air mixture.
Take precautions against electrostatic charging.
The substances do not meet the criteria for classification as PBT orvPvB.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Chemical name | CAS Number | EK Number | Index Number/ Registration Number | Concentration m/m% | Classification |
|---|---|---|---|---|---|
| Propane | 74-98-6 | 200-827-9 | 601-003-00-5/01-2119486944-21 | 80-90% | Flam.Gas 1, H220 Press Gas |
| Butane | 106-97-8 | 203-448-7 | 601-004-00-0/01-2119474691-32 | | Flam.Gas 1, H220 Press Gas |
| Isobutane | 75-28-5 | 200-857-2 | 601-004-0-0/01-2119485395-27 | | Flam.Gas 1, H220 Press Gas |

The full text of the H statements can be found under section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General measures:** Fresh air is needed. In case of symptoms, complaints or doubt consult a doctor immediately. In case of sickness, seek medical attention. Never administer anything by mouth to an unconscious person.

**In case of inhalation:** The casualty should be moved to fresh air and be placed in a resting position so that they can breathe easily. In case of coughing, difficulty in breathing or feeling unwell, a doctor should be called immediately.

**In case of skin contact:** Take off contaminated clothing and wash the contaminated skin with plenty of soap and water. In case of complaint or irritation, seek medical advice.

**In case of eye contact:** Flush eyes with plenty of running water for at least 10-15 minutes. Keep the eyelid edges apart and move the eyeball at the same time. Remove contact lenses if you have them and if this can be done easily. Continue rinsing. Seek medical advice in case of complaints or irritation.

**In case of ingestion:** ingestion unlikely (aerosol). Accidental ingestion of the spray into the mouth, in case of accidental ingestion, do not vomit the casualty. At higher concentrations, propellant gas can cause suffocation and oxygen starvation.

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

Inhalation of large quantities of the spray may irritate the respiratory system. A propellant gas may be suffocating in high concentrations and may cause oxygen deficiency.

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

Special care is unnecessary, symptomatic treatment. Keep the affected person under observation. The Safety Data Sheet/Label should be shown to the doctor.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: dry extinguishing powder, $CO_2$, extinguishing foam, water spray/water mist

Extinguishing media, which shall not be used for safety reasons: Strong water jet (only for cooling the container).

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

Extremely flammable aerosol. Heating of closed pressurised containers is explosive. In the event of fire, smoke and other combustion products (carbon monoxide, carbon dioxide, hydrocarbons) may be produced and inhalation of these products may cause serious health hazards. Gas-air mixtures may be explosive.

Large scale emissions are unlikely due to the aerosol form of the product.

5.3. **Advice for firefighters:** Appropriate fire-resistant protective clothing and the use of isolation respiratory protection device (independent of the ambient air) is required.

The resulting combustion products must not be inhaled. Leakage must be be eliminated. Prevent the extinguishing agent from entering drains, living water or the environment.

## SECTION 6: Accidental release measures

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

Only designated, trained personnel involved in the rescue operation in the area at risk, emergency responders and unauthorised persons should be removed.
Remove all sources of ignition, open flames.
Stop the leakage if it can be done without danger.
Keep open flames, ignition sources and sparks out of the air space. Only non-sparking devices may be used.
Observe hygiene and safety regulations. Avoid contact with skin, eyes, eyes and skin.
The use of personal protection is required for those persons who involved in the discharge.
Ensure ventilation of the room at risk.

### 6.2 Environmental precautions

Any product released into the environment or generated waste must be treated in accordance with the environmental legislation in force. The product and its waste shall be prevented from entering living water, soil and public sewers. If an incident of environmental pollution has occurred, the competent authority must be informed immediately. The product may pose an explosion hazard if released into the sewerage system. Large quantities are unlikely to escape (aerosol can).

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

Stop the leak if it can be done without risk. Do not breathe in the spray. The danger area must be blockd and unauthorised persons must not enter the area entry. The spillage should be should be collected with non-combustible absorbent material (e.g. dry earth, sand) and placed in a sealed container until disposal.

### 6.4 Reference to other sections

Safe handling (as described in section 7).
See section 8 for information on personal protective equipment.
For information on disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For use outdoors or in a well-ventilated room. Avoid spray accumulation in the air. Keep away from sources of ignition and do not smoke.
The prescribed safety and hygiene measures must be observed.
Do not eat or drink during use.
Personal protective equipment must be used. Contaminated clothing must be removed and re-used cleaned before reuse. Use running water during breaks and after work, washing hands with soap and water.
Fire and explosion protection: extremely flammable aerosol.
The container is overpressurised: heat may cause it to crack.
Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

Smoking is prohibited.
Do not spray on open flames or other sources of ignition.
The product may be used in places where there is no open flame, fire or other ignition source. Protect against electrostatic charging.
Use only non-sparking tools. Product vapours are heavier than air and can spread at ground level. The vapours can form an explosive gas/air mixture. Do not puncture or burn, even after use.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated, cool, dry place at a temperature below 35 °C.
Do not expose to temperatures exceeding 50 °C. When heated, the bottles may rupture, risk of explosion. No smoking in the storage room! Take precautions against electrostatic charging.
Do not expose to sunlight or radiant heat. Do not puncture or throw into a fire, even after use.
Observe the precautions for pressurised containers. Do not store with strong oxidizing agents or flammable substances. Keep away from food, drink and animal feed.
Keep out of the reach of children.
Incompatible substances: see section 10.5.
Type of material used for packaging/storage: no specific requirements.

**7.3 Specific end use(s):** Maintenance. Consumer, industrial and professional use.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

Limit values permitted in workplace air (Hungary):
According to ITM Decree No 5/2020 (II. 6.) on the protection of the health and safety of workers exposed to chemical agents, the values of the average concentration and the maximum permissible concentration in the workplace air of dangerous substances and their characteristic properties are:

| Substance name | CAS-number | ÁK-value ($mg/m^3$) | CK-value ($mg/m^3$) | Characteristic property | Reference | ÁK correction group |
|---|---|---|---|---|---|---|
| n-BUTÁN (Butane) | 106-97-8 | 2350 | 9400 | - | - | N |

N Irritants, simple asphyxiants, low health hazards substances. Correction is NOT necessary.
ÁK-value average allowable concentration
CK-value maximum allowable concentration
CAS-number Chemical Abstracts Service used to identify chemicals registration number

DNELs, PNECs: no data

**8.2 Exposure controls**

According to Section 11 (2) of Decree 5/2020 (6.II.) ITM, in the case of dangerous substances not regulated by a limit value, the employer is obliged to reduce the level of exposure to the lowest level that can be expected according to the state of scientific and technical knowledge, at which level the dangerous substance does not have any harmful effects on health.

Care should be taken when working to avoid getting the mixture on floors, clothing, skin or in the eyes. The product should only be used with adequate ventilation. Observe the general instructions for handling chemicals. Observe precautions for pressurised containers.
Observe industrial safety and basic hygiene rules.
Do not eat or drink while using the product. Smoking is prohibited! Prevent contact with skin and eyes. Do not inhale the spray. Remove contaminated clothing and wash before reuse.
Wash hands with soap and running water before breaks and meals and after working hours.
See also sections 6-7.

Individual precautions, such as personal protective equipment:
(a) Eye/face protection: use tight-fitting safety goggles according to the regulations (EN 166). Wear face shield if necessary.
(b) Hand protection: Use protective gloves in accordance with the requirements (EN 374). The gloves must be impermeable and resistant to the chemical agent.
When choosing the right protective gloves, other qualitative aspects than the material must be taken into account, which vary from manufacturer to another.
As regards the exact breakthrough time of the protective gloves, contact the manufacturer of the protective equipment for detailed information and keep in mind the information provided.
Contaminated gloves should be removed and cleaned before reuse.
(c) Respiratory protection: If the exposure limit values are exceeded, use respiratory protection in accordance with the regulations.

Selection of individual protection based on specific exposure, risk assessment
data from the risk assessment.

Environmental exposure controls:
Do not discharge into drains, watercourses or the environment

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| a) | Physical State: | aerosol |
| b) | Colour: | colourless |
| c) | Odour: | odourless |
| d) | Melting point/freezing point | No data available. |
| e) | Boiling point or initial boiling point and boiling range: | No data available. |
| f) | Flammability: | extremely flammable aerosol |
| g) | Lower and upper explosion limit | No data available. |
| h) | Flash point: | No data available. |
| i) | Auto-ignition temperature: | No data available. |
| j) | Decomposition temperature: | No data available. |
| k) | pH: | Not relevant. |
| l) | Kinematic viscosity: | No data available. |
| m) | Solubility: | not soluble in water |

n) Partition coefficient n-octanol/water (log value): No data available.
o) Vapour pressure: No data available.
p) Density and/or relative density: No data available.
q) Particle characteristics: No data available.

**9.2 Other information:** the mixture is not explosive, but explosive gas/air mixtures may be formed.

## SECTION 10: Stability and reactivity

**10.1 Reactivity:** Unknown, under normal conditions of storage and use.
**10.2 Chemical stability:** Stable under prescriptive storage and use.
**10.3 Possibility of hazardous reactions:** Under normal circumstances, no dangerous reactions occur.
**10.4 Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Smoking is prohibited. Take precautions against electrostatic charging.
**10.5 Incompatible materials:** Strong oxidants.
**10.6 Hazardous decomposition products:** There are no known hazardous decomposition products released during normal use. Hazardous decomposition products may be released in case of fire and incomplete combustion.

## SECTION 11: Toxicological information

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

**(a) acute toxicity:**
Based on the available data, the classification criteria are not met.
**(b) skin corrosion/irritation:**
Based on the available data, the classification criteria arenot met
**(c) serious eye damage/irritation:**
Based on the available data, the classification criteria are not met.
**(d) respiratory or skin sensitisation:**
Based on the available data, the classification criteria are not met.
**(e) germ cell mutagenicity:**
Based on the available data, the classification criteria are not met.
**(f) carcinogenicity:**
Based on the available data, the classification criteria are not met.
**(g) reproductive toxicity:**
Based on the available data, the classification criteria are not met.
**(h) STOT-single exposure:**
Based on the available data, the classification criteria are not met.
**(i) STOT-repeated exposure:**
Based on the available data, the classification criteria are not met.
**(j) aspiration hazard:**
Based on the available data, the classification criteria are not met.

**11.2. Information on other hazards:** Inhaling large amounts of vapour may cause respiratory irritation. Higher concentrations of propellant gas can cause asphyxiation and oxygen deprivation.

## SECTION 12: Ecological information

**12.1 Toxicity:**
Based on the available data, the classification criteria are not met.

**12.2 Persistence and degradability:**
No data available for the mixture.

**12.3 Bioaccumulative potential:**
No data available for the mixture.

**12.4 Mobility in soil:**
No data available for the mixture.

**12.5 Results of PBT and vPvB assessment**

**12.6** The product does not contain PBT or vPvB.

**12.7 Endocrine disrupting properties:**
No data available.

**12.8 Other adverse effects:**
No discharge into water supply, sewer, soil, groundwater or living water.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Hazardous waste. Not to be treated with communal waste.
Disposal of the mixture, contaminated packaging:
Disposal is allowed in compliance with the local regulations (Act CLXXXV of 2012, Government Decree 225/2015 (VIII. 7.) and Decree 72/2013 (VIII. 27.) VM).
Waste Catalogue Code:
16 05 04* gases (including halons) containing dangerous substances contained in pressure drums

* hazardous waste

Dispose of in accordance with the relevant regulations.
Packaging waste is classified as hazardous.
Do not dispose of packaging into drains or water bodies.
Prevent aerosol from entering the environment.
Container under pressure. Do not puncture or dispose of in fire, even after use.
Do not open, punch, puncture or expose to temperatures above 50 °C, sunlight or radiant heat.
It should not be thrown into a fire even after use.

## SECTION 14: Transport information

**14.1 UN number or ID number:** UN 1950

**14.2 UN proper shipping name:**
ADR/RID; ADN: AEROSOLS, flammable
IMDG; IATA: AEROSOLS, flammable

**14.3 Transport hazard class(es):**
**ADR/RID:**
**Class:** 2
**Classification code:** 5F
**Labels:** 2.1
**Transport category (Tunnel restriction code):** 2(D)
**Limited and discounted quantity:** 1 L E0

**14.4 Packing group:** None.

**14.5 Environmental hazards:** No.
**Marine pollution:** No.

**14.6 Special precautions for user:** See sections 6-8.

**14.7 Maritime transport in bulk according to IMO instruments:** Not applicable.

## SECTION 15: Regulatory information

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

**Chemical safety:**

- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 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
- Public Act No. XXV. of 2000 on Chemical Safety
- Decree 44/2000 (XII.27.) of the Ministry of Economic Affairs and Labour on the detailed rules of certain procedures and activities related to dangerous substances and dangerous preparations
- 34/2014. (X. 30.) NGM Regulation on the marketing requirements for aerosol products and aerosol packaging

**Occupational safety:**

- 3/2002 (II.8.) Joint Decree SzCsM-EüM on the minimum level of occupational safety and health requirements in workplaces
- Act XCIII of 1993 on Occupational Safety and Health

- (XII. 22.) EüM Decree 65/1999 on the minimum safety and health protection requirements for the use of personal protective equipment by workers at work
- ITM Decree 5/2020 (II. 6.) on the protection of the health and safety of workers exposed to chemical agents

**Hazardous wastes:**

- Act CLXXXV of 2012 on Waste
- 225/2015 (VIII.7.) Gov. Regulation on detailed rules for certain activities related to hazardous waste
- 442/2012 (XII. 29.) Gov. Regulation on packaging and waste management activities related to packaging waste
- Decree 72/2013 (VIII. 27.) VM on the List of Waste

**Delivery:**

- Decree 61/2013 (X. 17.) NFM on the domestic application of Annexes A and B of the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

**Other:**

- Decree 34/2014 (X. 30.) NGM on the requirements for the marketing of aerosol products and aerosol packaging

**15.2** **Chemical safety assessment:** The supplier has not carried out a chemical safety assessment.

## SECTION 16: Other information

a) This document is a translation of the product hungarian safety data sheet version 2 dated 14. october 2022.

b) Abbreviations used in the data sheet:

CAS number: CAS number is the Chemical Abstracts Service registration number used to identify chemicals (chemical elements, compounds).

PBT: Persistent, bioaccumulative and toxic

vPvB: Very persistent and very bioaccumulative

LD50: Lethal dose in 50% of the studied population (medium lethal dose)

LC50: Lethal concentration in 50% of the studied population

ADR: European Agreement on the international carriage of dangerous goods by road

IMO: International Maritime Organization

RID: Rules on the international carriage of dangerous goods by rail

ICAO: International Civil Aviation Organisation

c) The hazard classification was carried out by the supplier according to Regulation (EC) No 1272/2008 (teszt method).

d) List of relevant hazard (H) statements which are not written out in full under Sections 3:
H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

The safety data sheet has been prepared in accordance with the applicable EU and Hungarian legislation in force. It is limited to our current knowledge, does not guarantee the properties of the product and does not form the basis of any legal relationship.