

## SAFETY DATA SHEET

## Silicone NSF-H1 CA-213

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

## 1.1. Product identifier

## Trade name

Silicone NSF-H1 CA-213

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

## Relevant identified uses of the substance or mixture

Lubricant

## Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC 24	Lubricants, Greases and Release Products
Process category	Description
PROC 11	Non industrial spraying
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems

## Uses advised against

None known.

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

## Company and address

**Pureno A/S**

Gefionsvej 20

3400 Hillerød

Denmark

+45 70 260 267

## Contact person

Lars Skaarup

## E-mail

ls@pureno.dk

## Revision

21/10/2025

## SDS Version

4.0

## Date of previous version

25/09/2025 (3.0)

## 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

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

## 2.1. Classification of the substance or mixture

Aerosol 2; H223, H229, Flammable aerosol. Pressurised container: May burst if heated.

This product is an aerosol dispenser where the propellant is separated from the product upon spraying. As a result, the concentrations of the propellants are not considered for the classification of the mixture in regard of health and environment.

## 2.2. Label elements

### ▼ Hazard pictogram(s)



### Signal word

Warning

### ▼ Hazard statement(s)

Flammable aerosol. Pressurised container: May burst if heated. (H223, H229)

### Precautionary statement(s)

#### ▼ General

Keep out of reach of children. (P102)

#### ▼ Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not spray on an open flame or other ignition source. (P211)

Do not pierce or burn, even after use. (P251)

#### ▼ Response

Not applicable.

#### ▼ Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412)

#### ▼ Disposal

Not applicable.

### ▼ Hazardous substances

Does not contain any substances required to report

### Additional labelling

## 2.3. Other hazards

### Additional warnings

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
dimethoxymethan	CAS No.: 109-87-5 EC No.: 203-714-2 REACH: 01-2119664781-31-XXXX Index No.:	60-80%	Flam. Liq. 2, H225	
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9 REACH: Index No.:	5-10%	Press. Gas (Liq.), H280	[1], [16]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit.

[16] Propellant

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### ▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

##### Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

##### ▼ Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

##### Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

Treat symptomatically.

##### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Accidental releases always pose a serious risk of fire or explosion.

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Ensure adequate ventilation, especially in confined areas.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. ▼ Precautions for safe handling

Avoid static electricity.

Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage conditions

> 0°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

dimethoxymethan

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 3100  
 Long term exposure limit (8 hours) (ppm): 1000  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 6200  
 Short term exposure limit (15 minutes) (ppm): 2000

carbon dioxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 9000  
 Long term exposure limit (8 hours) (ppm): 5000  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 18000  
 Short term exposure limit (15 minutes) (ppm): 10000

Annotations:

E = Substance has an EC limit.

Statutory order 1619 on exposure limits for substances and mixtures (19/12/2024)

## DNEL

dimethoxymethan

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	5,7 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	18.1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	22mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	17.9 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	39 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	31.5 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	132 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	126.6 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	9,6 mg/kg bw/day
Long term – Systemic effects - General population	Oral	18.1 mg/kg bw/day

## PNEC

dimethoxymethan

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		14.577 mg/L
Freshwater sediment		13.135 mg/kg
Marine water		1.477 mg/L
Sewage treatment plant		10 g/L
Soil		4.654 mg/kg

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

▼ Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
When developing vapour, use respiratory protection with approved filter	Normally, personal respiratory equipment is not necessary			
	A	Class 3 (High capacity)	Brown	EN14387



Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-

Eye protection

Type	Standards
No special when used as intended.	-

## SECTION 9: Physical and chemical properties

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

Physical state

Aerosol

Colour

Colourless

Odour / Odour threshold

Characteristic

pH

No data available.

Density (g/cm<sup>3</sup>)

0.82

Kinematic viscosity

No data available.

Particle characteristics

No data available.

Phase changes

Melting point/Freezing point (°C)

No data available.

Softening point/range (°C)

Does not apply to aerosols.

Boiling point (°C)

No data available.

**Vapour pressure**

No data available.

**Relative vapour density**

No data available.

**Decomposition temperature (°C)**

No data available.

**Data on fire and explosion hazards****Flash point (°C)**

-30

**Flammability (°C)**

The material is ignitable.

**Auto-ignition temperature (°C)**

No data available.

**Lower and upper explosion limit (% v/v)**

No data available.

**Solubility****Solubility in water**

Completely soluble

**n-octanol/water coefficient (LogKow)**

No data available.

**Solubility in fat (g/L)**

No data available.

**9.2. Other information****Other physical and chemical parameters**

No data available.

**Oxidizing properties**

No data available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****▼ Acute toxicity**

Product/substance	dimethoxymethan
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	6423 mg/kg ·

Product/substance dimethoxymethan  
 Species: Mouse  
 Route of exposure: Oral  
 Test: LD50  
 Result: 6950 mg/kg ·

Product/substance dimethoxymethan  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: >500 mg/kg ·

Product/substance carbon dioxide  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50  
 Result: 470000 ppm 0,5 h ·

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

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**Respiratory sensitisation**

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

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**▼ STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards**

**Long term effects**

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

None known.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Product/substance dimethoxymethan

Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: >1000 mg/l ·

Product/substance dimethoxymethan  
 Species: Daphnia  
 Duration: 48 hours  
 Test: LC50  
 Result: >1200mg/l ·

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

### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

Product/substance carbon dioxide  
 LogKow: 0,8300  
 Conclusion: No potential for bioaccumulation

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. ▼Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)  
 HP 3 - Flammable  
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

16 05 04\* Gases in pressure containers (including halons) containing dangerous substances

#### Waste group

16 05 04\* Gases in pressure containers (including halons) containing dangerous substances

#### Specific labelling

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L Tunnel restriction code: (D) See below for

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IMDG	UN1950 AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950 AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

**Additional information**

This product is within scope of the regulations of transport of dangerous goods.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

**14.6. Special precautions for user**

Not applicable.

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

No data available.

**SECTION 15: Regulatory information**

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

**Restrictions for application**

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**Demands for specific education**

No specific requirements.

**SEVESO - Categories / dangerous substances**

P3b - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 5.000 tonnes (net) / (upper-tier): 50.000 tonnes (net)

**REACH, Annex XVII**

dimethoxymethan is subject to REACH restrictions (entry 40).

**▼ Additional information**

Not applicable.

**Sources**

The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work. Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.

Pregnant workers and workers who are breastfeeding (AT Guide A.1.8-6, amended 2024).  
 Executive Order no. 247 of 14 March 2014 on interior design, etc. of aerosols, as amended by EO No. 301 of 27 March 2014, EO no. 478 of 25 May 2016 and EO 1336 of 29 November 2017.  
 Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances.  
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.  
 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 (CLP).  
 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).

## 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### ▼ Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H280, Contains gas under pressure; may explode if heated.

#### The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

LCS "C" = Consumer uses: Private households (= general public = consumers)

PROC 11 = Non industrial spraying

PC 24 = Lubricants, Greases and Release Products

ERC 8a = Wide dispersive indoor use of processing aids in open systems

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### ▼ Additional information

The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Lisbet Tetsche

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: DK-en