

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

NSF-P1 Leakseaker

**Product no.**

NSF (151414) P1

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

NA

Metal surface treatment products, including galvanic and electroplating products, (PC14)

Non industrial spraying (PROC 11)

Formulation [mixing] of preparations and/or re-packaging (excluding alloys) (SU 10)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Formulation of preparations (ERC2)

Metal articles (AC7)

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Pureno A/S

Rønnevangs Allé 8

3400 Hillerød

Denmark

Tlf.: +45 70 260 267

**Contact person**

Kenneth Christensen

**E-mail**

mail@pureno.dk

**SDS date**

2020-08-12

**SDS Version**

6.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Aerosol 3; H229

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

Warning

**Hazard statement(s)**

Pressurised container: May burst if heated. (H229)

**Precautionary statements**

General

Keep out of reach of children. (P102).

Prevention	Do not pierce or burn, even after use. (P251).
Response	-
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412).
Disposal	-

#### ▼ Identity of the substances primarily responsible for the major health hazards

Not applicable

#### ▼ Additional labelling

Not applicable

#### Unique formula identifier (UFI)

-

#### ▼ 2.3. Other hazards

Not applicable

#### ▼ Additional warnings

Not applicable

#### VOC (volatile organic compound)

Not applicable

## SECTION 3: Composition/information on ingredients

### ▼ 3.1/3.2. Substances/Mixtures

NAME:	carbon dioxide
IDENTIFICATION NOS.:	CAS-no: 124-38-9 EC-no: 204-696-9
CONTENT:	5 - <10%
CLP CLASSIFICATION:	Refrig. Liq. Gas H281
NOTE:	L

NAME:	Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts
IDENTIFICATION NOS.:	CAS-no: 68891-38-3 EC-no: 500-234-8
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3 H315, H318, H412

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.  
L = European occupational exposure limit.

#### Other information

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## 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. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). 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

Bring the person into fresh air and stay with him/her.

#### ▼ Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

#### ▼ Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. 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 victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Not applicable

**▼ 4.2. Most important symptoms and effects, both acute and delayed**

Nothing special

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

Nothing special

**Information to medics**

Bring this safety data sheet.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

No specific requirements.

**6.2. Environmental precautions**

No specific requirements.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Storage temperature**

No data available.

**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****▼ OEL**

carbon dioxide

Long-term exposure limit (8-hour TWA reference period): 5000 ppm | 9150 mg/m<sup>3</sup>Short-term exposure limit (15-minute reference period): 15000 ppm | 27400 mg/m<sup>3</sup>**▼ DNEL / PNEC**

DNEL (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 2750 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 175 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 1650 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 52 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 0,24 mg/l

Exposure: Freshwater

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 0,024 mg/l

Exposure: Marine water

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 0,071mg/l

Exposure: Intermittent release

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 5,45 mg/kg tør vægt

Exposure: Freshwater sediment

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 10000 mg/l

Exposure: Sewage Treatment Plant

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 0,545 mg/kg tør vægt

Exposure: Marine water sediment

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts): 0,946 mg/kg tør vægt

Exposure: Soil

## 8.2. Exposure controls

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

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

### Exposure limits

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

### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

### 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. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment

Not applicable

#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

No specific requirements.

#### Skin protection

No specific requirements.

#### Hand protection

No specific requirements.

#### Eye protection

No specific requirements.

## SECTION 9: Physical and chemical properties

**▼ 9.1. Information on basic physical and chemical properties**

Form	Aerosol
Colour	Clear
Odour	None
Odour threshold (ppm)	No data available.
pH	7
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	No data available.

**Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

**Data on fire and explosion hazards**

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

**Solubility**

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

**9.2. Other information**

Solubility in fat (g/L)	No data available.
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

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

**▼ 10.3. Possibility of hazardous reactions**

Nothing special

**▼ 10.4. Conditions to avoid**

Nothing special

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****▼ Acute toxicity**

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >2000 mg/kg

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 4000 mg/kg

Substance: carbon dioxide

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 470000 ppm 0,5 h

**▼ Skin corrosion/irritation**

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts

**Serious eye damage/irritation**

No data available.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**▼ Long term effects**

Nothing special

**SECTION 12: Ecological information**

**▼ 12.1. Toxicity**

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts  
 Species: Daphnia  
 Test: EC50  
 Duration: 48 h  
 Result: 7,4 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts  
 Species: Fish  
 Test: LC50  
 Duration: 96 h  
 Result: 1-10 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts  
 Species: Algae  
 Test: LC50  
 Duration: 72 h  
 Result: 10-100 mg/kg

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts  
 Species: Fish  
 Test: NOEC  
 Duration: 45 d  
 Result: 1mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,2,5,EO,sulfates,sodium,salts  
 Species: Algae  
 Test: NOEC  
 Duration: 21 d  
 Result: 0,27mg/l

**▼ 12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Alcohols,C12-14,even,numbered,...	Yes	Modified OECD Screening Test	98-100%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
carbon dioxide	No	0,83	No data available

**12.4. Mobility in soil**

carbon dioxide: Log Koc= 0,735677, Calculated from LogPow (High mobility potential.).

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**▼ 12.6. Other adverse effects**

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product is not covered by regulations on dangerous waste.

**Waste**

EWC code  
16.05.04

**▼ Specific labelling**

Not applicable

**▼ Contaminated packing**

Contaminated packaging must be disposed of similarly to the product.

**SECTION 14: Transport information****14.1 – 14.4****ADR/RID**

14.1. UN number	1950
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	2.2
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

**IMDG**

UN-no.	1950
Proper Shipping Name	Aerosols
Class	2.2
PG*	-
EmS	F-D, S-U
MP**	NO
Hazardous constituent	-

**IATA/ICAO**

UN-no.	1950
Proper Shipping Name	Aerosols
Class	2.2
PG*	-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

(\*) Packing group

(\*\*) Marine pollutant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

-

**Demands for specific education**

-

**Additional information**

Not applicable

**Seveso**

-

**Biocidal reg. no.**

Not applicable

**Sources**

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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 (CLP).

Regulation (EC) 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

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

H281 - Contains refrigerated gas; may cause cryogenic burns or injury.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

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

PC14 = Metal surface treatment products, including galvanic and electroplating products,

PROC 11 = Non industrial spraying

SU 10 = Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC2 = Formulation of preparations

AC7 = Metal articles

**Additional label elements**



**Other**

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.

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.

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

**The safety data sheet is validated by**

KAO

**Date of last essential change  
(First cipher in SDS version)**

2016-12-21(5.0)

**Date of last minor change  
(Last cipher in SDS version)**

2016-12-21