

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Release agent

**Product no.**

-

**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

**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**

2016-01-20

**SDS Version**

2.0

### 1.4. Emergency telephone number

Use your national or local emergency number  
See section 4 "First aid measures"

## SECTION 2: Hazards identification

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

Aerosol 1; H229  
Aerosol 2; H223  
STOT SE 3; H336

See full text of H-phrases in section 2.2.

### 2.2. Label elements

#### ▼ Hazard pictogram(s)



#### ▼ Signal word

Warning

#### ▼ Hazard statement(s)

Pressurised container: May burst if heated. (H229)

Flammable aerosol. (H223)  
 May cause drowsiness or dizziness. (H336)

<b>▼ Safety statement(s)</b>	<b>General</b>	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
	<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210).
	<b>Response</b>	Call a POISON CENTER/doctor if you feel unwell. (P312).
	<b>Storage</b>	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412).
	<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant. (P501).

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

Naphtha (petroleum), hydrotreated heavy (0,1<benzen)

**2.3. Other hazards**

**Additional labelling**

-

**Additional warnings**

**VOC**

-

**SECTION 3: Composition/information on ingredients**

**▼ 3.1/3.2. Substances/Mixtures**

NAME:	Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
IDENTIFICATION NOS.:	CAS-no: 64742-48-9 EC-no: 265-150-3 Index-no: 649-327-00-6
CONTENT:	60-80%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1 H226, H304, H336, EUH066

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

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

**Other informations**

**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 continue. Never give an unconscious person water or similar.

**Inhalation**

Get the person into fresh air and stay with them.

**Skin contact**

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

**Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

**Ingestion**

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

**Burns**

Rinse with water until the pain stops and continue for 30 minutes.

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

No special

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

Call a POISON CENTER/doctor if you feel unwell.

**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. Water jets 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, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

**SECTION 6: Accidental release measures**

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

Avoid inhalation of vapours from waste material. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

**▼ 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. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

**▼ 6.4. Reference to other sections**

See section on "Disposal" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

**SECTION 7: Handling and storage**

**▼ 7.1. Precautions for safe handling**

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

**▼ Storage temperature**

No data available.

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

This product should only be used for applications described in Section 1.2

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**▼ OEL**

carbon dioxide (EH40/2005)

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**

## 8.2. Exposure controls

▼ Compliance with the stated exposure limits values should be checked on a regular basis.

### General recommendations

▼ Observe general occupational hygiene.

### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

### Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

### Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash 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

No specific requirements.

### Skin protection

Special work clothing should be used.

### Hand protection

Recommended: Nitrile rubber. : NA

### Eye protection

No specific requirements.

## SECTION 9: Physical and chemical properties

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

Form	Colour	Odour	pH	Viscosity	Density (g/cm <sup>3</sup> )
Aerosol	Clear	Aromatic	-	-	-

### Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

### Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
42	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

### Solubility

Solubility in water	n-octanol/water coefficient
Insoluble	-

### 9.2. Other information

Solubility in fat	Additional information
-	N/A

## 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 on "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

Avoid static electricity.

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reductants 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	Species	Test	Route of exposure	Result
carbon dioxide	Rat	LC50	Inhalation	470000 ppm 0,5 h
Naphtha (petroleum), hydrotrea...	Rat	LD50	Oral	>5000mg/kg
Naphtha (petroleum), hydrotrea...	Rat	LC50	Inhalation	>5mg/L
Naphtha (petroleum), hydrotrea...	Rat	LD50	Dermal	>5000mg/kg

▼ **Skin corrosion/irritation**

No data available.

**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**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

No special

**SECTION 12: Ecological information**

▼ **12.1. Toxicity**

Substance	Species	Test	Test duration	Result
Naphtha (petroleum), hydrotrea...	Daphnia	EC50	48 h	1000mg/L
Naphtha (petroleum), hydrotrea...	Fish	LC50	96 h	>1000 mg/l
Naphtha (petroleum), hydrotrea...	Algae	EC50		>1000mg/l

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Naphtha (petroleum), hydrotrea...	Yes	No data available	No data available

▼ **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
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**

No data available

**12.6. Other adverse effects**

No special

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

The product is covered by the regulations on dangerous waste.

**Waste**

EWC code  
16.05.04

**Specific labelling**

-

**Contaminated packing**

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

**SECTION 14: Transport information**

This product is covered by the conventions on dangerous goods.

**14.1 – 14.4**

▼ **ADR/RID**

14.1. UN number 1950  
14.2. UN proper shipping name  
14.3. Transport hazard class(es) 2.1  
14.4. Packing group -  
Notes -  
Tunnel restriction code -

▼ **IMDG**

UN-no. 1950  
Proper Shipping Name Aerosoler  
Class 2.1  
PG\* I  
EmS F-D, S-U  
MP\*\* NO  
Hazardous constituent -

▼ **IATA/ICAO**

UN-no.  
Proper Shipping Name  
Class  
PG\*

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of MARPOL73/78 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**

**Sources**

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.  
EC Regulation 1272/2008 (CLP).  
EC regulation 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

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

H226 - Flammable liquid and vapour.  
H281 - Contains refrigerated gas; may cause cryogenic burns or injury.  
H304 - May be fatal if swallowed and enters airways.  
H336 - May cause drowsiness or dizziness.  
EUH066 - Repeated exposure may cause skin dryness or cracking.

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

-

**Other symbols mentioned in section 2**



**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)) is marked with a blue triangle.

**The safety data sheet is validated by**

KAO

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

2014-01-31

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

2014-01-31