

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Rust loosener

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

2016-02-10

SDS Version

4.0

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 3; H229

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)

▼ Safety statement(s)

General
Prevention
Response
Storage

Disposal

Keep out of reach of children. (P102).

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

-

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

-

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

Additional labelling

38% Mass percent of the contents are flammable

Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

▼3.1/3.2. Substances/Mixtures

| | |
|----------------------|--|
| NAME: | naphtha (råolie), hydrogenbehandlet tung |
| IDENTIFICATION NOS.: | CAS-no: 64742-48-9 EC-no: 918-481-9 |
| CONTENT: | 25-40% |
| CLP CLASSIFICATION: | Asp. Tox. 1 H304 |

| | |
|----------------------|-----------------------------------|
| 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

Not applicable

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

No 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. 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

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. 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.

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/m³

Short-term exposure limit (15-minute reference period): 15000 ppm | 27400 mg/m³

▼ 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

No specific requirements.

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 ³) |
|---------|--------|----------|----|-----------|------------------------------|
| Aerosol | Black | Aromatic | - | - | 0,85 |

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) |
|-----------------|---------------|--------------------|
| 62 | - | - |

| 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

No special

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 (råolie), hydrogenbeha... | Rat | LD50 | Dermal | >2000 mg/kg |
| naphtha (råolie), hydrogenbeha... | Rat | LD50 | Oral | >5000 mg/kg |
| naphtha (råolie), hydrogenbeha... | Rat | LC50 | Inhalation | >5000 mg/kg 4 h |

▼ 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

No data available.

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 (råolie), hydrogenbeha... | Fish | LC50 | 96 h | >1000 mg/l |
| naphtha (råolie), hydrogenbeha... | Algae | EC50 | | >1000 mg/l |
| naphtha (råolie), hydrogenbeha... | Daphnia | EC50 | 24 h | >1000 mg/l |

▼ 12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|-----------------------------------|------------------|--------------------|--------|
| naphtha (råolie), hydrogenbeha... | Yes | Closed Bottle Test | 80 |

▼ 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**

This product is not 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) | 2.2 |
| 14.4. Packing group | - |
| Notes | - |
| Tunnel restriction code | - |

▼ **IMDG**

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

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

H304 - May be fatal if swallowed and enters airways.

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)

2015-02-23

Date of last minor change

(Last cipher in SDS version)

2015-02-23