

## SAFETY DATA SHEET

# Metal Cleaner CI-114

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

#### 1.1. Product identifier

##### Trade name

Metal Cleaner CI-114

##### Unique formula identifier (UFI)

P4FG-S4YJ-RDQN-2D29

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

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

Industrial purposes

##### 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

07/10/2024

##### SDS Version

3.0

##### Date of previous version

22/04/2024 (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

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

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.  
STOT SE 3; H336, May cause drowsiness or dizziness.  
Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

## 2.2. Label elements

### Hazard pictogram(s)



### Signal word

Danger

### Hazard statement(s)

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)  
Causes skin irritation. (H315)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)  
Toxic to aquatic life with long lasting effects. (H411)

### Precautionary statement(s)

#### General

If medical advice is needed, have product container or label at hand. (P101)  
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 pierce or burn, even after use. (P251)

#### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)

#### Storage

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

#### Disposal

Dispose of contents/container in accordance with local regulation (P501)

### Hazardous substances

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
acetone;propan-2-one;propanone

### Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

UFI: P4FG-S4YJ-RDQN-2D29

## 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
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS No.: 64742-49-0 EC No.: 927-510-4 REACH: 01-2119475133-43-XXXX Index No.:	80-95%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	[15], [19]
acetone;propan-2-one;propanone	CAS No.: 67-64-1 EC No.: 200-662-2	10-15%	EUH066 Flam. Liq. 2, H225	[1]

	REACH: 01-2119471330-49-XXXX Index No.: 606-001-00-8		Eye Irrit. 2, H319 STOT SE 3, H336	
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9 REACH: Index No.:	5-10%	Press. Gas (Liq.) , H280	[1]

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.

[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure 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

If eye irritation persists: Get medical advice/attention.

#### 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

Extremely 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.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### 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

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

acetone;propan-2-one;propanone

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 600

Long term exposure limit (8 hours) (ppm): 250

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1200

Short term exposure limit (15 minutes) (ppm): 500

Annotations:

E = Substance has an EC limit.

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 291 on exposure limits for substances and mixtures (19/03/2024)

## DNEL

acetone;propan-2-one;propanone

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	62 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	62 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	186mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	186 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	200mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	200 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1210 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1210 mg/m <sup>3</sup>
Short term – Local effects	Inhalation	2420 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	2420 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	62 mg/kg bw/day
Long term – Systemic effects - General population	Oral	62 mg/kg bw/day

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	149 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	1377 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	1377 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	13964 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	13964 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	300 mg/kg bw/day
Long term – Local effects - General population	Inhalation	178.57 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	837.5 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	447 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	1131 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	447 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	1131 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2085 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	5306 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2085 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	5306 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	640 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1066.67 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	1152 mg/m <sup>3</sup>

Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	149 mg/kg bw/day
Long term – Systemic effects - General population	Oral	1301 mg/kg bw/day
Long term – Systemic effects - General population	Oral	1301 mg/kg bw/day

## PNEC

acetone;propan-2-one;propanone

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		10,6 mg/l
Freshwater		10.6 mg/L
Freshwater sediment		30,4mg/kg
Freshwater sediment		30.4 mg/kg
Intermittent release (freshwater)		21 mg/L
Marine water		1,06 mg/l
Marine water		1.06 mg/L
Marine water sediment		3,04 mg/kg
Marine water sediment		3.04 mg/kg
Sewage treatment plant		100 mg/L
Soil		29,5 mg/kg
Soil		29.5 mg/kg

## 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

### 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

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

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

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

Provide adequate general and local exhaust ventilation.

## Individual protection measures, such as personal protective equipment

### Generally

In the event the work process is within scope of the Danish statutory order on work with code numbered products (Work Inspectorate Order no. 302/1993), then personal protection equipment shall be selected as set out herein. If applicable, please refer to the code number of this product in section 15.

Use only CE marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
AX		Brown	EN14387



### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Butyl	0.5	> 480	EN374-2, EN374-3, EN388



## Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### Physical state

Aerosol

#### Colour

Clear

#### Odour / Odour threshold

Aromatic

#### ▼ pH

No relevant or available data due to the nature of the product.

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

0.73

#### ▼ Kinematic viscosity

No relevant or available data due to the nature of the product.

#### ▼ Particle characteristics

No relevant or available data due to the nature of the product.

### Phase changes

#### ▼ Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

#### Softening point/range (°C)

Does not apply to aerosols.

#### ▼ Boiling point (°C)

No relevant or available data due to the nature of the product.

#### ▼ Vapour pressure

No relevant or available data due to the nature of the product.

#### ▼ Relative vapour density

No relevant or available data due to the nature of the product.

#### ▼ Decomposition temperature (°C)

No relevant or available data due to the nature of the product.

### Data on fire and explosion hazards

#### Flash point (°C)

-15

#### Flammability (°C)

The material is ignitable.

#### ▼ Auto-ignition temperature (°C)

No relevant or available data due to the nature of the product.

#### ▼ Lower and upper explosion limit (% v/v)

No relevant or available data due to the nature of the product.

### Solubility

#### ▼ Solubility in water

No relevant or available data due to the nature of the product.

#### ▼ n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

#### ▼ Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

## 9.2. Other information

### Other physical and chemical parameters

No data available.

### ▼ Oxidizing properties

No relevant or available data due to the nature of the product.

## 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	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5840 mg/kg ·

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>23,3 mg/l 4h ·

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>2920 mg/kg ·

Product/substance	acetone;propan-2-one;propanone
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5800 mg/kg ·

Product/substance	acetone;propan-2-one;propanone
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	15800 mg/kg ·

Product/substance	acetone;propan-2-one;propanone
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	76 mg/kg 4 h ·



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

## Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/irritation

Causes serious eye irritation.

## Respiratory sensitisation

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

## Skin sensitisation

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

## Germ cell mutagenicity

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

## Carcinogenicity

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

## Reproductive toxicity

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

## STOT-single exposure

May cause drowsiness or dizziness.

## STOT-repeated exposure

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

## Aspiration hazard

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

## 11.2. Information on other hazards

### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.  
 Exposure 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: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
 Species: Fish  
 Duration: 96 hours  
 Result: >13,4 mg/l ·

Product/substance: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
 Species: Fish  
 Duration: 96 hours  
 Result: >13,4 mg/l ·

Product/substance: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
 Species: Algae  
 Duration: 72 hours  
 Test: EC50  
 Result: 10-30mg/l ·

Product/substance: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
 Species: Fish  
 Duration: No data available.  
 Test: LC50  
 Result: 13,4 mg/l ·

Product/substance: acetone;propan-2-one;propanone

Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>100 mg/l ·

Product/substance	acetone;propan-2-one;propanone
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/l ·

Product/substance	acetone;propan-2-one;propanone
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	>100 mg/l ·

Toxic to aquatic life with long lasting effects.

## 12.2. Persistence and degradability

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Result:	98%
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	acetone;propan-2-one;propanone
Result:	90,9
Conclusion:	Readily biodegradable
Test:	OECD 301 B

## 12.3. Bioaccumulative potential

Product/substance	acetone;propan-2-one;propanone
Conclusion:	No potential for bioaccumulation

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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

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 covered by the regulations on hazardous waste. (\*)

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

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







### 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 information:
ADR	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F  	-	Yes	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
IMDG	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F  	-	Yes	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  	-	Yes	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)

E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

## Regulation on drug precursors

acetone;propan-2-one;propanone is included (Category 3)

## Regulation on explosives precursors

acetone;propan-2-one;propanone (Annex II)

## ▼ REACH, Annex XVII

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics is subject to REACH restrictions (entry 40).

acetone;propan-2-one;propanone is subject to REACH restrictions (entry 40).

## Product registration number

2710231

## ▼ Regulation on work involving coded products

Code number (1993): 4-1

## ▼ 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 2020).

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.

Council Regulation (EC) No 273/2004 on drug precursors.

Council Regulation (EC) No 2019/1148 on explosives precursors.

Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.

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

EUH066, Repeated exposure may cause skin dryness or cracking.

H225, Highly flammable liquid and vapour.

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

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

H411, Toxic to aquatic life with long lasting effects.

### 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 of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

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