

SAFETY DATA SHEET

# Zinc/alu Spray

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

### 1.1. Product identifier

Trade name

Zinc/alu Spray

Unique formula identifier (UFI)

A8QY-E853-7098-QYMN

### 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
PC24	Lubricants, Greases and Release Products
Process category	Description
PROC11	Non industrial spraying
Environmental release category	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

No special

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

Company and address

**Pureno A/S**

Rønnevangs Alle 8

3400 Hillerød

Danmark

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Contact person

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Revision

26-10-2021

SDS Version

5.0

Date of previous version

2021-07-21 (4.0)

### 1.4. Emergency telephone number

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

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

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 serious eye irritation. (H319)

May cause drowsiness or dizziness. (H336)

Toxic to aquatic life with long lasting effects. (H411)

#### Safety 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 to an approved waste disposal plant. (P501)

#### Hazardous substances

Acetone

ethylacetat

### 2.3. Other hazards

#### Additional labelling

Not applicable

#### 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 considered to meet the criteria classifying them as PBT and/or vPvB.

#### VOC

VOC content: 468 g/L

MAXIMUM VOC CONTENT (Phase II, category B/e: 840 g/L)

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
but-1-en	CAS No.: 106-97-8 EC No.: 203-448-7 REACH: Index No.: 601-004-00-0	25-40%	Flam. Gas 1A, H220	
Acetone	CAS No.: 67-64-1 EC No.: 200-662-2 REACH: Index No.: 606-001-00-8	15-25%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
propan-I-flydende-tilstand	CAS No.: 74-98-6 EC No.: 200-827-9 REACH: Index No.: 601-003-00-5	15-25%	Flam. Gas 1A, H220	
ethylacetat	CAS No.: 141-78-6 EC No.: 205-500-4 REACH: Index No.: 607-022-00-5	15-25%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1]
zinc powder - zinc dust (pyrophoric)	CAS No.: 7440-66-6 EC No.: 231-175-3 REACH: Index No.: 030-001-01-9	3-5%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	CAS No.: 64742-95-6 EC No.: 265-199-0 REACH: Index No.: 649-356-00-4	3-5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No.: 64742-48-9 EC No.: 919-857-5 REACH: Index No.:	3-5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066
aluminium powder (pyrophoric)	CAS No.: 7429-90-5 EC No.: 231-072-3 REACH: Index No.: 013-001-00-6	3-5%	Flam. Sol. 1, H228 Water-react. 2, H261
m-xylene;o-xylene;p-xylene;xylene	CAS No.: 1330-20-7 EC No.: 215-535-7 REACH: 01-2119488216-32-XXXX Index No.: 601-022-00-9	3-5%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332

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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

## 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

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

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

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.

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

IF exposed or concerned:

Get immediate 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

Given that it does not present and hazard gas supplies shall be disrupted immediately. Removal of pressurized containers or attempting to cool with water shall be entrusted the fire brigade.

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>).

Some metal oxides.

### 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

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

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.

Use sand, 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 13 on "Disposal considerations" in regard of 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.

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

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

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 temperature

> 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

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but-1-en

Long term exposure limit (8 hours) (ppm): 600

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1450

Short term exposure limit (15 minutes) (ppm): 750

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1810

Annotations:

Carc1 = Capable of causing cancer and/or heritable genetic damage if it contains more than 0.1% of buta-1,3-diene.

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Acetone

Long term exposure limit (8 hours) (ppm): 500

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1210

Short term exposure limit (15 minutes) (ppm): 1500

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 3620

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ethylacetat

Long term exposure limit (8 hours) (ppm): 200

Short term exposure limit (15 minutes) (ppm): 400

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m-xylene;o-xylene;p-xylene;xylene

Long term exposure limit (8 hours) (ppm): 50

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 220

Short term exposure limit (15 minutes) (ppm): 100

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 441

Annotations:

BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

#### ▼ DNEL

Product/substance	Acetone
DNEL	200mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	Acetone
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According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

DNEL	62 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	Acetone
DNEL	1210 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	Acetone
DNEL	186mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	Acetone
DNEL	2420 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Local effects

Product/substance	Acetone
DNEL	62 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	ethylacetat
DNEL	1468 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers

Product/substance	ethylacetat
DNEL	1468 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	ethylacetat
DNEL	63 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	ethylacetat
DNEL	734 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	ethylacetat
DNEL	734 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	ethylacetat
DNEL	734 mg/m <sup>3</sup>
Route of exposure	Inhalation

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Duration Short term – Systemic effects - General population

Product/substance ethylacetat

DNEL 734 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Short term – Local effects - General population

Product/substance ethylacetat

DNEL 37 mg/kg Bw / day

Route of exposure Dermal

Duration Long term – Systemic effects - General population

Product/substance ethylacetat

DNEL 4,5 mg/kg Bw/day

Route of exposure Oral

Duration Long term – Systemic effects - General population

Product/substance ethylacetat

DNEL 367 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Long term – Local effects - General population

Product/substance ethylacetat

DNEL 367 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Long term – Systemic effects - General population

Product/substance m-xylene;o-xylene;p-xylene;xylene

DNEL 289 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Short term – Local effects - Workers

Product/substance m-xylene;o-xylene;p-xylene;xylene

DNEL 180 mg/kg bw/day

Route of exposure Dermal

Duration Long term – Systemic effects - Workers

Product/substance m-xylene;o-xylene;p-xylene;xylene

DNEL 77 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Long term – Systemic effects - Workers

Product/substance m-xylene;o-xylene;p-xylene;xylene

DNEL 174 mg/m<sup>3</sup>

Route of exposure Inhalation

Duration Short term – Local effects - General population

Product/substance m-xylene;o-xylene;p-xylene;xylene

DNEL 108 mg/kg bw/day

Route of exposure Dermal

Duration Long term – Systemic effects - General population



According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Product/substance	m-xylene;o-xylene;p-xylene;xylene
DNEL	14,8 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

## ▼ PNEC

Product/substance	Acetone
PNEC	29,5 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/substance	Acetone
PNEC	10,6 mg/l
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	Acetone
PNEC	1,06 mg/l
Route of exposure	Marine water
Duration of Exposure	

Product/substance	Acetone
PNEC	30,4mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	Acetone
PNEC	3,04 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	ethylacetat
PNEC	0.148 mg/kg soil dw
Route of exposure	Soil
Duration of Exposure	

Product/substance	ethylacetat
PNEC	1.65 mg/L
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	ethylacetat
PNEC	0,24 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	ethylacetat
PNEC	0,024 mg/L
Route of exposure	Marine water
Duration of Exposure	

## 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

Adequate ventilation must be ensured for all gases. Where natural ventilation is not possible (cellar rooms), artificial ventilation must be installed. It is advantageous to store it in a lattice shed outdoors, as ventilation is no longer necessary in this case.

### 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

Provide adequate general and local exhaust ventilation.


## Individual protection measures, such as personal protective equipment

### Generally

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
Nitrile	0.3	> 60	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

#### Form

Aerosol

## Colour

Gray

## Odour

Characteristic

## Odour threshold (ppm)

Testing not relevant or not possible due to nature of the product.

## pH

Testing not relevant or not possible due to nature of the product.

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

0.72

## Viscosity

Testing not relevant or not possible due to nature of the product.

## Phase changes

### Melting point (°C)

Testing not relevant or not possible due to nature of the product.

### Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

### Vapour pressure

Testing not relevant or not possible due to nature of the product.

### Vapour density

Testing not relevant or not possible due to nature of the product.

### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

### Evaporation rate (n-butylacetate = 100)

## Data on fire and explosion hazards

### Flash point (°C)

-25.00 °C

### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

### Explosion limits (% v/v)

Testing not relevant or not possible due to nature of the product.

### Explosive properties

Testing not relevant or not possible due to nature of the product.

### Oxidizing properties

Testing not relevant or not possible due to nature of the product.

## Solubility

### Solubility in water

Testing not relevant or not possible due to nature of the product.

### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

## 9.2. Other information

### VOC (g/l)

468

## 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

No special

#### 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

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Product/substance	Acetone
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5800 mg/kg ·
Other information	

Product/substance	Acetone
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	15800 mg/kg ·
Other information	

Product/substance	Acetone
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	76 mg/kg 4 h ·
Other information	

Product/substance	ethylacetat
Test method	
Species	Rabbit
Route of exposure	Oral
Test	LD50
Result	4934mg/kg ·
Other information	

Product/substance	ethylacetat
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>20000 ml/kg ·
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Product/substance	Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5000 mg/kg bw ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2000 mg/kg bw ·
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	4300 mg/kg ·
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	5000 ppm(4hours) ·
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>1100 mg/kg ·
Other information	

### Skin corrosion/irritation

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Moderately irritating)

## Other information

### Serious eye damage/irritation

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Highly irritating)
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Slightly irritating)
Other information	

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.

### 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.

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.

### Other information

m-xylene;o-xylene;p-xylene;xylene has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	Acetone
Test method	
Species	Algae

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

Compartment  
 Duration 96 hours  
 Test EC50  
 Result >100 mg/l ·  
 Other information

Product/substance Acetone  
 Test method  
 Species Daphnia  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result >100 mg/l ·  
 Other information

Product/substance Acetone  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result >100 mg/l ·  
 Other information

Product/substance ethylacetat  
 Test method  
 Species Algae  
 Compartment  
 Duration 48 hours  
 Test EC50  
 Result 5600mg/L ·  
 Other information

Product/substance ethylacetat  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 230 mg/L ·  
 Other information

Product/substance m-xylene;o-xylene;p-xylene;xylene  
 Test method  
 Species Fish  
 Compartment  
 Duration 96 hours  
 Test LC50  
 Result 13,5 mg/l ·  
 Other information

Product/substance m-xylene;o-xylene;p-xylene;xylene

Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	3,2 mg/l ·
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	3,2 mg/l ·
Other information	

## 12.2. Persistence and degradability

Product/substance	Acetone
Biodegradable	Yes
Test method	OECD 301 B
Result	90,9

Product/substance	ethylacetat
Biodegradable	Yes
Test method	OECD 301 B
Result	93,9%

Product/substance	Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]
Biodegradable	Yes
Test method	OECD 301 F
Result	94%

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Biodegradable	Yes
Test method	OECD 301 F
Result	87,8%

## 12.3. Bioaccumulative potential

Product/substance	Acetone
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/substance	ethylacetat
Test method	



Potential bioaccumulation	No
LogPow	0,7300
BCF	No data available
Other information	

Product/substance	m-xylene;o-xylene;p-xylene;xylene
Test method	
Potential bioaccumulation	Yes
LogPow	3,1600
BCF	No data available
Other information	

#### 12.4. Mobility in soil

No data available

#### 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 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

Avoid discharge to lakes, streams, sewers, etc.

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

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 - 14.4

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

#### ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
1950	AEROSOLS	2.1		2 (D)

#### IMDG

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
1950	AEROSOLS	2.1		F-D, S-U

#### "MARINE POLLUTANT"

Yes

#### IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
1950	AEROSOLS	2.1	

#### 14.5. Environmental hazards

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

#### 14.6. Special precautions for user

Not applicable

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

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

P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)

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

##### Regulation on drug precursors

Acetone is included (Category 3)

##### Additional information

Not applicable

##### Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013.

The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29)

Control of Major Accident Hazards (COMAH) Regulations 2015.

2005 No. 2773 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2005.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

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

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H220, Repeated exposure may cause skin dryness or cracking.

H220, Extremely flammable gas.

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H228, Flammable solid.  
 H261, In contact with water releases flammable gases.  
 H304, May be fatal if swallowed and enters airways.  
 H312, Harmful in contact with skin.  
 H315, Causes skin irritation.  
 H319, Causes serious eye irritation.  
 H332, Harmful if inhaled.  
 H336, May cause drowsiness or dizziness.  
 H400, Very toxic to aquatic life.  
 H410, Very toxic to aquatic life with long lasting effects.  
 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)  
 PROC11 = Non industrial spraying  
 PC24 = Lubricants, Greases and Release Products  
 ERC8a = 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  
 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  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 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  
 UVCB = Complex hydrocarbon substance  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

According to EC-Regulation 1907/2006 (REACH), annex II, as implemented by EC-Regulation 2015/830

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The classification of the substance/mixture in regard of health hazards are 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 substance/mixture in regard of physical hazards has been based on experimental data.

The safety data sheet is validated by

LT

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue 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: GB-en