

SAFETY DATA SHEET

Anti-Seize montage pasta

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

1.1. Product identifier

Trade name

Anti-Seize montage pasta

Unique formula identifier (UFI)

TRY8-T51U-0NR4-6RVE

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

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Pureno A/S

Rønnevangs Alle 8

3400 Hillerød

Denmark

+45 70 260 267

Contact person

Kenneth Christensen

E-mail

kc@pureno.dk

Revision

11/2/2022

SDS Version

2.0

Date of previous version

4/13/2022 (1.0)

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.

Aquatic Chronic 3; H412, Harmful 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)

Harmful to aquatic life with long lasting effects. (H412)

Safety statement(s)

General

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 spray on an open flame or other ignition source. (P211)

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

Avoid release to the environment. (P273)

Response

-

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

None known.

▼ Additional labelling

UFI: TRY8-T51U-0NR4-6RVE

▼ VOC

VOC content: 523 g/L

MAXIMUM VOC CONTENT (Phase II, category A/i (SB): 500 g/L)

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

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) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
dimethoxymethan	CAS No.: 109-87-5 EC No.: 203-714-2 REACH: Index No.:	60-80%	Flam. Liq. 2, H225	
carbon dioxide	CAS No.: 124-38-9 EC No.: 204-696-9 REACH: Index No.:	5-10%	Press. Gas (Liq.) , H280	[1]
copper	CAS No.: 7440-50-8 EC No.: 231-159-6 REACH: 01-2119480154-42-XXXX Index No.:	1-3%	Acute Tox. 4, H302 Eye Irrit. 2, H319 Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
aluminium powder (pyrophoric)	CAS No.: 7429-90-5 EC No.: 231-072-3 REACH: Index No.: 013-001-00-6	1-3%	Flam. Sol. 1, H228 Water-react. 2, H261	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

zinc powder - zinc dust (pyrophoric)	CAS No.: 7440-66-6 EC No.: 231-175-3 REACH: Index No.: 030-001-01-9	<1%	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	CAS No.: EC No.: 919-446-0 REACH: Index No.:	<1%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Asp. Tox. 1, H304 Acute Tox. 4, H312 Acute Tox. 4, H332 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 2, H411

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

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

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

None known.

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

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 / CO₂)
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.

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.

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

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

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

— dimethoxymethan

Long term exposure limit (8 hours) (mg/m³): 3100

Long term exposure limit (8 hours) (ppm): 1000

— carbon dioxide

Long term exposure limit (8 hours) (mg/m³): 9000

Long term exposure limit (8 hours) (ppm): 5000

Annotations:

E = Substance has an EC limit.

— copper

Long term exposure limit (8 hours) (mg/m³): 0,1 (som Cu) / 1 (støv)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Short term exposure limit (15 minutes) (mg/m³): 0,2 (som Cu) / 2 (støv)

— aluminium powder (pyrophoric)

Long term exposure limit (8 hours) (mg/m³): 5

Short term exposure limit (15 minutes) (mg/m³): 10

— graphit

Long term exposure limit (8 hours) (mg/m³): 2,5

Short term exposure limit (15 minutes) (mg/m³): 5

Statutory order 1054 on exposure limits for substances and mixtures (28/06/2022)

▼ DNEL

zinc powder - zinc dust (pyrophoric)

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	83 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	83 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.5 mg/m ³
Long term – Systemic effects - Workers	Inhalation	5 mg/m ³
Long term – Systemic effects - General population	Oral	830 µg/kgbw/day

aluminium powder (pyrophoric)

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Inhalation	3.72 mg/m ³
Long term – Systemic effects - Workers	Inhalation	3.72 mg/m ³
Long term – Systemic effects - General population	Oral	3.95 mg/kg bw/day

copper

Duration	Route of exposure	DNEL
Long term – Systemic effects	Dermal	0,041 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	137 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	137 mg/kg
Long term – Systemic effects - Workers	Dermal	137 mg/kg bw/day
Short term – Systemic effects	Dermal	0,082 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	237 mg/kg
Short term – Systemic effects - General population	Dermal	273 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	273 mg/kg
Short term – Systemic effects - Workers	Dermal	273 mg/kg bw/day
Long term – Local effects - General population	Inhalation	1 mg/m ³
Long term – Local effects - Workers	Inhalation	1 mg/m ³
Short term – Local effects - General population	Inhalation	1 mg/m ³
Short term – Local effects - Workers	Inhalation	20 mg/kg
Short term – Local effects - Workers	Inhalation	1 mg/m ³
Short term – Systemic effects - General population	Inhalation	20 mg/kg
Long term – Systemic effects - General population	Oral	41 µg/kgbw/day

dimethoxymethan

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	5,7 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	18.1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	22mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	17.9 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	39 mg/m ³
Long term – Systemic effects - General population	Inhalation	31.5 mg/m ³

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - Workers	Inhalation	132 mg/m ³
Long term – Systemic effects - Workers	Inhalation	126.6 mg/m ³
Long term – Systemic effects - General population	Oral	9,6 mg/kg bw/day
Long term – Systemic effects - General population	Oral	18.1 mg/kg bw/day

graphit

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Inhalation	300 µg/m ³
Long term – Local effects - Workers	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	1.2 mg/m ³
Long term – Systemic effects - General population	Oral	813 mg/kg bw/day

▼ PNEC

zinc powder - zinc dust (pyrophoric)

Route of exposure	Duration of Exposure	PNEC
Freshwater		14.4 µg/L
Freshwater sediment		146.9 mg/kg
Marine water		7.2 µg/L
Marine water sediment		162.2 mg/kg
Sewage treatment plant		100 µg/L
Soil		83.1 mg/kg

aluminium powder (pyrophoric)

Route of exposure	Duration of Exposure	PNEC
Sewage treatment plant		20 mg/L

copper

Route of exposure	Duration of Exposure	PNEC
Freshwater		7,8 µg/l
Freshwater		6.3 µg/L
Freshwater sediment		87 mg/kg dw
Freshwater sediment		87 mg/kg
Intermittent release		288 mg/kg tør dw
Marine water		5,2 µg/l
Marine water		5.2 µg/L
Marine water sediment		676 mg/l dw
Marine water sediment		676 mg/kg
Sewage treatment plant		230 µg/l
Sewage treatment plant		230 µg/L
Soil		65,5 mg/kg dw
Soil		65 mg/kg

dimethoxymethan

Route of exposure	Duration of Exposure	PNEC
Freshwater		14.577 mg/L
Freshwater sediment		13.135 mg/kg
Marine water		1.477 mg/L
Sewage treatment plant		10 g/L
Soil		4.654 mg/kg

8.2. ▼ Exposure controls

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

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

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ Measures to avoid environmental exposure

No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
When developing vapour, use respiratory protection with approved filter	Normally, personal respiratory equipment is not necessary			

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
In the likelihood of direct or incidental exposure, use eye protection.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Aerosol

Colour

Gray

Odour / Odour threshold

Aromatic

▼ pH

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

Density (g/cm³)

0.85

▼ Kinematic viscosity

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

▼ Particle characteristics

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Phase changes

▼ Melting point/Freezing point (°C)

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

Softening point/range (waxes and pastes) (°C)

Does not apply to aerosols.

Boiling point (°C)

42.3

▼ Vapour pressure

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

▼ Relative vapour density

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

▼ Decomposition temperature (°C)

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

Data on fire and explosion hazards

Flash point (°C)

-30

▼ Ignition (°C)

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

▼ Auto flammability (°C)

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

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

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

Solubility

▼ Solubility in water

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

▼ n-octanol/water coefficient

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

▼ Solubility in fat (g/L)

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

9.2. Other information

▼ VOC (g/L)

523

▼ Other physical and chemical parameters

No data available.

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

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	dimethoxymethan
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	6423 mg/kg ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information

Product/substance dimethoxymethan
 Test method
 Species Mouse
 Route of exposure Oral
 Test LD50
 Result 6950 mg/kg ·
 Other information

Product/substance dimethoxymethan
 Test method
 Species Rabbit
 Route of exposure Dermal
 Test LD50
 Result >500 mg/kg ·
 Other information

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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

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

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

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.

▼ **Endocrine disrupting properties**

None known.

▼ **Other information**

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance dimethoxymethan
 Test method
 Species Fish

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Compartment
Duration 96 hours
Test LC50
Result >1000 mg/l ·
Other information

Product/substance dimethoxymethan
Test method
Species Daphnia
Compartment
Duration 48 hours
Test LC50
Result >1200mg/l ·
Other information

12.2. ▼ Persistence and degradability

No data available.

12.3. ▼ Bioaccumulative potential

Product/substance carbon dioxide
Test method
Potential bioaccumulation No
LogPow 0,8300
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. ▼ Endocrine disrupting properties

None known.

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

▼ Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

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	Class: 2 Labels: 2.1 Classification code: 5F	-	No	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
						

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
IMDG	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
						
IATA	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F	-	No	See below for additional information.
						

* Packing group

** Environmental hazards

▼ **Additional information**

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.

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

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)

▼ **Regulation on explosives precursors**

aluminium powder (pyrophoric) (Annex II)

▼ **Additional information**

Not applicable.

▼ **Sources**

The Danish Working Environment Authority's executive order no. 239 of 6 April 2005 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.

Executive Order no. 1369 of 25 November 2015 on the marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car repair painting.

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

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

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).

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

H225, Highly flammable liquid and vapour.
 H226, Flammable liquid and vapour.
 H228, Flammable solid.
 H261, In contact with water releases flammable gases.
 H280, Contains gas under pressure; may explode if heated.
 H302, Harmful if swallowed.
 H304, May be fatal if swallowed and enters airways.
 H312, Harmful in contact with skin.
 H319, Causes serious eye irritation.
 H331, Toxic if inhaled.
 H332, Harmful if inhaled.
 H336, May cause drowsiness or dizziness.
 H372, Causes damage to organs through prolonged or repeated exposure.
 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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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 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**

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.

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