

POWER CLEANER DRUCKGAS SPRAY

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

1.1 - Product identifier

Trade name/designation POWER CLEANER DRUCKGAS SPRAY
Chemical name
Product-type Mixture
Product code 63004
UFI: SM00-70NQ-F00A-42ER

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

Relevant identified uses - Aerosols
- PC35: Washing and cleaning products (including solvent based products).

1.3 - Details of the supplier of the safety data sheet

ASSMANN Electronic GmbH
Auf dem Schüffel 3
58513 Lüdenscheid Germany

1.4 - Emergency telephone number

Giftnotrufzentrale (Österreich)
Tel. No.: +43 1 406 4343

Antigif Centrum Centrum Antigif (België)/ Antigif Centrum Zentrum Antipoisons (Belgien)/ Antigif Centrum Centre Antipoisons (Belgique)
Tel. No.: +32 070 245 245

Национален център по токсикология, Болница за активно лечение и спешна медицина "Н. И. Пирогов" (България)
Tel. No. / fax: +359 2 9154 233

Centar za kontrolu trovanja (Hrvatska)
Tel. No.: +385 1 234 8342

Toxikologické informační centrum (Česká republika)
Tel. No.: +420 224 919 293 / +420 224 915 402

Hotline voor gifbestrijding (Denemarken)
Tel. No.: +45 82 12 12 12

Mürgistusteabekeskus (Eesti)
Tel. No.: +372 794 3794 (or 16662 national/ või 16662 riiklikku)

Myrkytystietokeskus (Suomi)
Tel. No.: +358 09 471 977

ORFILA (INERIS) (France)
Tel. No.: +33 (0) 1 45 42 59 59

Giftinformationszentrum, Charité - Universitätsmedizin Berlin, Hindenburgdamm 30, 12203 Berlin (Deutschland)
Tel. No.: +4930 30686700

Egészségügyi Toxikológiai Információs Szolgálat (Magyarország)
Tel. No.: +36 80 20 11 99

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Poison Centre (Iceland)/ Eitrunarmiðstöð (Ísland)
Tel. No.: +354 543 2222

CAV Milano Niguarda Ca' Granda (Italy)
Tel. No.: +39 02 66101029
CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA
Tel. No.: +39 06 68593726

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvija)
Tel. No.: +371 670 42473

Valstybinė vaistų kontrolės tarnyba (VVKT), Apsinuodijimų informacijos biuras (VTI) (Lietuva)
Tel. No.: +370 5 236 20 52

Isptar Mater Dei (Malta)
Tel. No.: +356 2545 0000

Nationaal Vergiftigingen Informatie Centrum (NVIC) (Nederland)
Tel. No.: +31 (0) 30 274 8888

Hjelpetelefon for psykisk helse (Norge)
Tel. No.: +47 22 59 13 00

Instituto Nacional de Emergência Médica (Portugal)
Tel. No.: +351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)
Tel. No.: +40 021 318 3606

Národné toxikologické informačné centrum (NTIC) (Slovensko)
Tel. No.: +421 2 5477 4166

Servicio de Información Toxicológica (España)
Tel. No.: +34 91 562 04 20

Svensk Giftinformationscentral (Sverige)
Tel. No.: +46 08 331231

Emergency Action (United Kingdom): Emergency phone number when using this product Tel. No.: +370 612 10528 (phone number is available from 8 am - 10 pm/ Monday-Friday; Kaunas, Lithuania).
In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| | |
|-----------|----------------------|
| Aerosol 1 | Aerosol - Category 1 |
|-----------|----------------------|

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Danger

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Hazard pictograms



Hazard statements

| | |
|------|--|
| H222 | Extremely flammable aerosol |
| H229 | Pressurised container: May burst if heated |

Precautionary statements

| | |
|-----------|--|
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| P251 | Do not pierce or burn, even after use. |

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|--------------------------|--|----|----------------------------------|------------------------------|
| butane INCI: BUTANE | CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7 | 65 | Flam. Gas 1 - H220 Press. Gas | Not applicable |
| propane INCI: PROPANE | CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9 | 35 | Flam. Gas 1 - H220 Press. Gas | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact - When in doubt or if symptoms are observed, get medical advice.

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After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Do NOT induce vomiting.
- Rinse mouth immediately and drink plenty of water.
- When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Extremely flammable aerosol. Pressurized container: May burst if heated.
- Vapours can form explosive mixtures with air.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Provide adequate ventilation.
- Remove all sources of ignition.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

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- Do not allow uncontrolled discharge of product into the environment.
- Explosion risk.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.
- Leave to vapourize.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Treat the recovered material as prescribed in the section on waste disposal.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Do not pierce or burn, even after use.
- Do not spray on naked flames or any incandescent material.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Keep away from sources of ignition - No smoking.
- Take precautionary measures against static discharges.
- Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.
- Heating causes rise in pressure with risk of bursting.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and in a well-ventilated place.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not store together with: Oxidising agent
- Pyrophoric or self-heating substances

7.3 - Specific end use(s)

- Aerosols

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

| butane (106-97-8) | |
|----------------------------------|------------------------|
| IOELV TWA mg/m ³ (UE) | 1450 mg/m ³ |
| IOELV TWA ppm (UE) | 600 ppm |
| TWA EH40 ppm (UK) | 600 ppm |
| TWA EH40 mg/m ³ (UK) | 1450 mg/m ³ |

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| | |
|----------------------------------|------------------------|
| STEL EH40 ppm (UK) | 750 ppm |
| STEL EH40 mg/m ³ (UK) | 1810 mg/m ³ |

8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

- Eye glasses with side protection

- DIN EN 166

- Hand protection is not required.

- In case of prolonged or frequently repeated skin contact:

- Protective gloves according to EN374

- Suitable material: NBR (Nitrile rubber)

- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | <u>gaseous</u> | <u>Appearance</u> | <u>Aerosol</u> |
|-----------------------|-------------------|-------------------|-----------------------|
| <u>Colour</u> | <u>colourless</u> | <u>Odour</u> | <u>characteristic</u> |
| Odour threshold | | No data available | |
| pH | | No data available | |
| Melting point | | No data available | |
| Freezing point | | No data available | |
| Boiling point | | < -20 °C | |
| Flash point | | < -20 °C | |
| Evaporation rate | | No data available | |
| flammability | | No data available | |
| Lower explosion limit | | 1.8 % Vol. | |
| Upper explosion limit | | 8.4 % Vol. | |
| Vapour pressure | | No data available | |
| Vapour density | | No data available | |
| Relative density | | No data available | |
| Density | | 0.56 kg/l | |
| Solubility (Water) | | No data available | |
| Solubility (Ethanol) | | No data available | |

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| | |
|-------------------------------|-------------------|
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |
| Log KOC | No data available |
| Auto-ignition temperature | 365 °C |
| Decomposition temperature | No data available |
| Kinematic viscosity | No data available |
| Dynamic viscosity | No data available |

Particle characteristics

| | |
|-----------------------|-------------------|
| Particle size | No data available |
| Dustiness | No data available |
| Specific surface area | No data available |
| Shape | No data available |

9.2 - Other information

| | |
|---|-------------------|
| VOC content | 560 g/l |
| Minimum ignition energy | No data available |
| Conductivity | No data available |
| VOC Composite Partial Pressure (Calculated @ 20oC/68oF) | No data available |
| C.A.R.B. V.O.C. | No data available |
| % Photo Chemically Reactive | No data available |

SECTION 10: Stability and reactivity

10.1 - Reactivity

- Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Vapours can form explosive mixtures with air.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No known hazardous decomposition products.

SECTION 11: Toxicological information

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

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Acute toxicity - Not classified

Toxicity : Mixture

| | |
|---------------------------------------|-------------------|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

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

Toxicity : Substances

| | |
|-------------------------------|---------------|
| propane (74-98-6) | |
| LC50 inhalation (rat) | > 800000 ppmV |
| LC50 inhalation vapours (rat) | 20 mg/l |
| butane (106-97-8) | |
| LC50 inhalation (rat) | > 800000 ppmV |
| LC50 inhalation vapours (rat) | 658 mg/l |

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|----------------------------|-------------------|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |

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| | |
|-----------------------------------|-------------------|
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

Toxicity : Substances

| propane (74-98-6) | |
|----------------------------|------------------------------|
| LC50 96 hr fish | 24.11 mg/l < V < 147.54 mg/l |
| ErC50 algae | 7.71 mg/l < V < 16.5 mg/l |
| ErC50 other aquatic plants | 7.02 mg/l < V < 69.43 mg/l |
| butane (106-97-8) | |
| LC50 96 hr fish | 24.11 mg/l < V < 147.54 mg/l |
| ErC50 algae | 7.71 mg/l < V < 16.5 mg/l |
| ErC50 other aquatic plants | 7.02 mg/l < V < 69.43 mg/l |

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 - Other adverse effects

- Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Do not allow to enter into surface water or drains.
- Dispose of waste according to applicable legislation.
- 16 05 04

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- WASTES NOT OTHERWISE SPECIFIED IN THE LIST
- gases in pressure containers and discarded chemicals
- Gases in pressure containers (including halons) containing hazardous substances
- hazardous waste
- Completely emptied packages can be recycled.
- Dispose of empty or partially emptied packaging/container/can after appropriate use of the product to municipal waste.
- This material and its container must be disposed of as hazardous waste.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1950

UN number (RID) : UN1950

UN number (ADN) : UN1950

UN number (IMDG) : UN1950

UN number (IATA) : UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS

UN proper shipping name (RID) : AEROSOLS

UN proper shipping name (ADN) : AEROSOLS

UN proper shipping name (IMDG) : AEROSOLS

UN proper shipping name (IATA) : AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 2

ADR Classification code: : 5F

Pictograms



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Transport hazard class(es) : 2
(RID)

Pictograms



Transport hazard class(es) : 2
(ADN)

Pictograms



Transport hazard class(es) : 2
(IMDG)

Pictograms



Transport hazard class(es) : 2
(IATA)

Pictograms



14.4 - Packing group

Packing group :

Packing group (RID) :

Packing group (ADN) :

Packing group (IMDG) :

Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

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14.6 - Special precautions for user

ADR

| | | |
|--|---|-----------------|
| <u>ADR Classification code:</u> | : | 5F |
| <u>ADR Special provisions</u> | : | 190+327+344+625 |
| <u>ADR Limited quantity (LQ)</u> | : | 1L |
| <u>ADR Excepted quantities</u> | : | E0 |
| <u>ADR Packing instructions</u> | : | |
| <u>ADR Special packing provisions</u> | : | |
| <u>ADR Mixed packing provisions</u> | : | |
| <u>Instructions for portable tanks and bulk containers</u> | : | |
| <u>Special provisions for portable tanks and bulk containers</u> | : | |
| <u>ADR tank code</u> | : | |
| <u>ADR tanks special provisions</u> | : | |
| <u>Vehicle for tank carriage</u> | : | |
| <u>ADR Transport category</u> | : | 2 |
| <u>ADR Tunnel restriction code</u> | : | D |
| <u>ADR Special provisions loading, unloading and handling</u> | : | |
| <u>Special provisions - Packages</u> | : | V14 |
| <u>Special provisions - Bulk</u> | : | |
| <u>Special provisions - Operation</u> | : | S2 |
| <u>ADR Hazard identification number (Kemler No.)</u> | : | |

RID

| | | |
|------------------------------|---|-----------------|
| <u>Special provisions</u> | : | 190+327+344+625 |
| <u>Limited quantity (LQ)</u> | : | 1 L |
| <u>Excepted quantities</u> | : | E0 |

ADN

| | | |
|------------------------------|---|-----------------|
| <u>Special provisions</u> | : | 190 327 344 625 |
| <u>Limited quantity (LQ)</u> | : | 1 L |
| <u>Excepted quantities</u> | : | E0 |

IMDG

| | | |
|--|---|----------------------------|
| <u>Special provisions</u> | : | 63 190 277 327 344 381 959 |
| <u>Limited quantity (LQ)</u> | : | 1000 mL |
| <u>Excepted quantities</u> | : | E0 |
| <u>Packing instructions</u> | : | |
| <u>Special packing provisions</u> | : | |
| <u>IBC instruction(s)</u> | : | |
| <u>IBC provisions</u> | : | |
| <u>Instructions for portable tanks and bulk containers</u> | : | |
| <u>Special provisions for portable tanks and bulk containers</u> | : | |
| <u>EmS codes</u> | : | F-D, S-U |
| <u>Stowage and handling</u> | : | Category None SW1 SW22 |
| <u>Segregation</u> | : | |

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| | | |
|--|---|----------------|
| <u>Properties and observations</u> | : | |
| IATA | | |
| <u>PCA - Excepted quantities</u> | : | E0 |
| <u>PCA - Limited Quantity - Packing Instructions</u> | : | Y203 |
| <u>PCA - Limited Quantity - Maximum Net Quantity per Package</u> | : | 30kg |
| <u>PCA - Packing Instructions</u> | : | 203 |
| <u>PCA - Maximum Net Quantity per Package</u> | : | 75kg |
| <u>CAO - Packing Instructions</u> | : | 203 |
| <u>CAO - Maximum Net Quantity per Package</u> | : | 150kg |
| <u>Special Provisions</u> | : | A145 A167 A802 |
| <u>ERG Code</u> | : | |

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|------------------------------------|---------|
| <u>Substances REACH candidates</u> | None |
| <u>Substances Annex XIV</u> | None |
| <u>Substances Annex XVII</u> | None |
| <u>VOC content</u> | 560 g/l |

- P3a Flammable aerosols
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
- – COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto. The Regulation has been published in the Official Journal of the European Union No. L 168/5 on 21 June, 2006;
- – COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. The Regulation has been published in the Official Journal of the European Union No. L 156, on 14 June, 2016;
- – COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);
- – COUNCIL DIRECTIVE of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (OJ L 147, 9.6.1975, p. 40)
- – On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L 353, volume 51 on 31 December, 2008;
- – Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);
- – The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).
- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

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- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
- 850/2004/EC, 79/117/EEC, 689/2008/EC , 2008/47/EC
- Swiss Regulations: Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

| Version | Issue date | Author | Description of the amendments |
|---------|------------|--------|-------------------------------|
| 1 | 09/08/2023 | | |

Abbreviations and acronyms

- ACGIH – Association advancing occupational and environmental health.
- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS – Chemical Abstracts Service number.
- CEN – European Committee for Standardisation.
- EC50 – Effective concentration to 50% of a test population (half maximal effective concentration).
- IC50 – Inhibitory concentration to 50% of a test population (half maximal inhibitory concentration).
- IMDG – International Maritime Dangerous Goods.
- IMO – International Maritime Organization.
- LC50 – Lethal Concentration to 50 % of a test population.
- LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).
- MSDS – Material Safety Data Sheet.
- NIOSH – National Institute of Occupational Safety and Health.
- NOEC – No effect concentration.
- PBT – Persistent, Bioaccumulative and Toxic substance.
- PNEC(s) – Predicted No Effect Concentration(s).
- RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.
- STOT – Specific Target Organ Toxicity.
- vPvB – Very Persistent and Very Bioaccumulative.

Data sources:

European Chemicals Agency (ECHA)
European Chemicals Bureau (ECB)
International Laboratories Organization (ILO)

Texts of the regulatory sentences

| | |
|-------------|--|
| Aerosol 1 | Aerosol - Category 1 |
| Flam. Gas 1 | Flammable gas. - Category 1 |
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H229 | Pressurised container: May burst if heated |

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| | |
|------------|----------------------|
| Press. Gas | Gases under pressure |
|------------|----------------------|

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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