

Safety Data Sheet

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

Spray Professional BODY CAR PROTECTOR

Date of update: 05.07.2022

Version: 4.0/EN

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

1.1 Product identifier

Trade name: Spray Professional BODY CAR PROTECTOR

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

Relevant identified uses: body car protective agent for professional use in car refinish.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: **CHAMPION COLOR PLUS P. Lelito Sp. J.**

Address: ul. Dworcowa 7, 84-123 Potchowo, Poland

Telephone number /Fax: +48 58 673-94-36/+48 58 673-94-22

E-mail address for a competent person responsible for sds: biuro@championcolor.pl

1.4 Emergency telephone number

112

+48 58 673-94-36 (between 8.00-15.00)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 1 H222-H229, Asp. Tox. 1 H304*, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2 H319, STOT SE 3 H336, Repr. 2 H361fd, Aquatic Chronic 3 H412

Extremely flammable aerosol. Pressurised container: May burst if heated. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. Harmful to aquatic life with long lasting effects.

*product does not require labelling in terms of this hazard if it is placed on the market in aerosol containers.

2.2 Label elements

Hazard pictograms and signal words



Names of dangerous components placed on the label

Contains: acetone; ethyl acetate; naphtha (petroleum), hydrotreated light; rosin.

Hazard statements

| | |
|--------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H412 | Harmful to aquatic life with long lasting effects. |

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Precautionary statements

| | |
|-----------|---|
| P102 | Keep out of reach of children. |
| 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. |
| P251 | Do not pierce or burn, even after use. |
| P263 | Avoid contact during pregnancy and while nursing. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| P501 | Dispose of contents/container to special waste collection point. |

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

hydrocarbons, C₃₋₄, petroleum gas*

| | |
|----------------------|-----------------------------------|
| Concentration range: | 28-35 % |
| CAS number: | 68476-40-4 |
| EC number: | 270-681-9 |
| Index number: | 649-199-00-1 |
| Registration number: | 01-2119486557-22-XXXX |
| Classification: | Flam. Gas 1 H220, Press. Gas H280 |

*The classification as a carcinogen cat. 1A or mutagen cat. 1B need not apply, because substance contains less than 0,1 % 1,3-butadiene [EINECS 203-450-8] (Note K).

acetone

| | |
|----------------------|--|
| Concentration range: | 10-16 % |
| CAS number: | 67-64-1 |
| EC number: | 200-662-2 |
| Index number: | 606-001-00-8 |
| Registration number: | 01-2119471330-49-XXXX |
| Classification: | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336 |

EUH066 – additional phrase code indicating hazard type

Substance with Community level exposure limit in the workplace.

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ethyl acetate

Concentration range: 5-8 %
CAS number: 141-78-6
EC number: 205-500-4
Index number: 607-022-00-5
Registration number: 01-2119475103-46-XXXX
Classification: Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EUH066 – additional phrase code indicating hazard type
Substance with Community level exposure limit in the workplace.

n-butyl acetate

Concentration range: 2-5 %
CAS number: 123-86-4
EC number: 204-658-1
Index number: 607-025-00-1
Registration number: -
Classification: Flam. Liq. 3 H226, STOT SE 3 H336
EUH066 – additional phrase code indicating hazard type

xylene – mixture of isomers

Concentration range: 2-5 %
CAS number: 1330-20-7
EC number: 215-535-7
Index number: 601-022-00-9
Registration number: 01-2119488216-32-XXXX
Classification: Flam. Liq. 3 H226, Asp. Tox. 1 H304, Acute Tox. 4 H312, Skin Irrit. 2 H315, Eye Irrit. 2 H319, Acute Tox. 4 H332, STOT SE 3 H335, STOT RE 2 H373
Substance with Community level exposure limit in the workplace.

hydrocarbons, C₇, n-alkanes, isoalkanes, cyclics

Concentration range: ≤ 5 %
CAS number: 64742-49-0
List number: 927-510-4
Index number: -
Registration number: -
Classification: Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411

naphtha (petroleum), hydrotreated light*

Concentration range: < 5 %
CAS number: 64742-49-0
EC number: 265-151-9
Index number: 649-328-00-1

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Registration number: -
Classification: Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Repr. 2 H361fd, STOT RE 2 H373, Aquatic Chronic 2 H411

*The classification as a carcinogen cat. 1B or mutagen cat. 1B need not apply, because substance contains less than 0,1 % benzene [WE 200-753-7] (Note P).

hydrocarbons, C₆, isoalkanes, < 5 % n-hexane

Concentration range: ≤ 4 %

CAS number: 64742-49-0

List number: 931-254-9

Index number: -

Registration number: -

Classification: Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411

rosin; colophony

Concentration range: 0,5-2,5 %

CAS number: 8050-09-7

EC number: 232-475-7

Index number: 650-015-00-7

Registration number: -

Classification: Skin Sens.1 H317

Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothes immediately. Wash contaminated skin with plenty of water, then wash out with water and soap. Consult a doctor, if irritation or rash occurs.

Eye contact: protect non-irritated eye, remove any contact lenses. Rinse the contaminated eyes thoroughly with water for 15-20 minutes. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist, if irritation persists.

Ingestion: exposure by this route does not typically occur. If swallowed, rinse mouth with water. **Do not induce vomiting!** Never give anything by mouth to an unconscious person. Consult a doctor – show label.

Inhalation: remove the victim to fresh air. Keep warm and calm. Perform artificial respiration or give oxygen if needed. Consult a doctor, if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: skin dryness or cracking after repeated exposure, defatting, burning sensation, redness, itching, inflammation, allergic reaction, irritation, frostbite by spraying the skin spray at close range.

Eye contact: redness, burning sensation, tearing, irritation.

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Ingestion: may cause irritation of the mucous membranes of gastrointestinal tract, nausea, vomiting. Aspiration hazard if liquid is inhaled into lungs, particularly from vomiting. Aspiration may result in chemical pneumonia.

Inhalation: possible irritation of the mucous membranes of respiratory system, cough, drowsiness and dizziness, headaches.

Other exposure effects: suspected of damaging fertility or the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: alcohol resistant foam, carbon dioxide (CO₂), dry chemical, water fog. Small fire put out with the snow extinguisher (CO₂) or dry powder (ABC or BC), large fire extinguish with alcohol-resistant foam or water fog. Large fire should be extinguished from protected posts.

Unsuitable extinguishing media: water jet – risk of propagation of the flame.

5.2 Special hazards arising from the substance or mixture

Under fire conditions product may produce harmful gases consisting of carbon oxides and other unidentified thermal decomposition products. Do not inhale combustion products, may cause health risk.

5.3 Advice for firefighters

Extremely flammable aerosol. Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Pressurized container - danger of leaks, or even an explosion at a high temperature. Gas can accumulate on the surface of the ground and move along distances creating a risk of fire or explosion. In case of fire, cool endangered containers with water spray from a safe distance. Do not allow extinguishing water to enter drains, surface water and groundwater. Collect used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that the effects of breakdown are removed only by trained personnel. In case of large spills, isolate the exposed area. Avoid skin and eyes contamination. Do not inhale aerosol. Wear personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition, do not use open flames or sparking tools. Prohibit smoking.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

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6.3 Methods and material for containment and cleaning up

Collect damaged container mechanically. Absorb leakage with incombustible liquid-binding material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to appropriate waste disposal containers. Treat the collected material as waste. Clean contaminated surface. Do not use sparking tools, do not smoke.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with eyes and skin. Wear personal protective equipment. Avoid breathing aerosol. Ensure adequate general and/or local ventilation. Eliminate sources of ignition - do not use open flames, do not smoke, do not use sparking tools and clothing from fabric susceptible to electrification; protect containers from heating. Do not spray on a naked flame or any incandescent material. Protect against electrostatic charges. Pregnant women should not work with this product.

7.2 Conditions for safe storage, including any incompatibilities

Store only in a dry and cool place, recommended storage temperature: up to + 35 °C. Keep away from sources of flame and heat. Do not smoke, use open flame and sparking tools in a warehouse. Do not pierce or burn packaging even after use. Keep away from food, foodstuffs and animal feed. Avoid contact with strong oxidizing agents (concentrated nitric acid, hydrogen peroxide, organic peroxides) - contact may cause ignition. Avoid contact with steel corrosive agents (acids, salt solutions) - the risk of damage of the containers and the release of aerosols content.

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

| Specification | Limit values | |
|--|------------------------|------------------------|
| | 8 hours | short term |
| acetone [CAS 67-64-1] | 1210 mg/m ³ | — |
| ethyl acetate [CAS 141-78-6] | 734 mg/m ³ | 1468 mg/m ³ |
| xylene - mixture of isomers [CAS 1330-20-7] ¹⁾ | 221 mg/m ³ | 442 mg/m ³ |
| ethylbenzene [CAS 100-41-4] ¹⁾ | 442 mg/m ³ | 884 mg/m ³ |
| n-hexane [CAS 110-54-3] | 72 mg/m ³ | — |

¹⁾ possibility of significant uptake through the skin.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

The table above shows the maximum workplace concentration values at the Community level.

Please check any national occupational exposure limit values in your country.

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Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

PNEC values for components

| PNEC | acetone | ethyl acetate | n-butyl acetate |
|-------------------------|------------------------|------------------|-------------------------|
| fresh water | 10.6 mg/l | 0.26 mg/l | 0.18 mg/m ³ |
| marine water | 1.06 mg/l | 0.26 mg/l | 0.018 mg/m ³ |
| intermittent release | 21 mg/l | - | 0.36 mg/m ³ |
| fresh water sediment | 30.4 mg/kg d.w. | 1.25 mg/kg d.w. | 0.981 mg/kg d.w. |
| marine water sediment | 3.04 mg/kg d.w. | 0.125 mg/kg d.w. | 0.0981 mg/kg d.w. |
| sewage treatment plants | 29.5 mg/l ³ | 650 mg/l | — |
| soil | 0.112 mg/kg d.w. | 0.24 mg/kg d.w. | 0.0903 mg/kg d.w. |

DNEL values for components

| DNEL | acetone | |
|---------------------------------|------------------------|-----------------------|
| | worker | consumer |
| inhalation, short-term exposure | 2420 mg/m ³ | — |
| inhalation, long-term exposure | 1210 mg/m ³ | 200 mg/m ³ |
| skin, long-term exposure | 186 mg/kg b.w./day | 62 mg/kg b.w./day |
| oral, long-term exposure | — | 62 mg/kg b.w./day |

| DNEL | ethyl acetate | |
|--|------------------------|-----------------------|
| | worker | consumer |
| inhalation, acute exposure (local/systemic effects) | 1468 mg/m ³ | 734 mg/m ³ |
| inhalation, long-term exposure (local/systemic effects) | 734 mg/m ³ | 367 mg/m ³ |
| skin, long-term exposure (systemic effects) | 63 mg/kg b.w./day | 37 mg/kg b.w./day |
| oral, long-term exposure (systemic effects) | — | 4.5 mg/kg b.w./day |

| DNEL | n-butyl acetate | |
|---|-----------------------|--------------------------|
| | worker | consumer |
| inhalation, short-term exposure (local/systemic effects) | 960 mg/m ³ | 859.7 mg/m ³ |
| inhalation, long-term exposure (local/systemic effects) | 480 mg/m ³ | 102.34 mg/m ³ |

| DNEL | xylene - mixture of isomers | |
|---|-----------------------------|------------------------|
| | worker | consumer |
| inhalation, short-term exposure (local/systemic effects) | 289 mg/m ³ | 174 mg/m ³ |
| inhalation, long-term exposure (systemic effects) | 77 mg/m ³ | 14.8 mg/m ³ |

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| DNEL | xylene - mixture of isomers | |
|--|-----------------------------|--------------------|
| | worker | consumer |
| skin, long-term exposure (systemic effects) | 180 mg/kg b.w./day | 108 mg/kg b.w./day |
| oral, long-term exposure (systemic effects) | — | 1.6 mg/kg b.w./day |

8.2 Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Take off contaminated clothes immediately. Ensure good general and/or local ventilation at work stations to ensure the maintenance of concentrations of hazardous components in the air below the exposure limit values. Before break and after work wash hands carefully. Avoid contact with eyes and skin. If there is a risk of inflammation of the clothing on worker, emergency showers for washing entire body and separate eyewash stations should be installed no more than 20 m in a straight line from the working area where these processes are performed. Pregnant women should not work with this product.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand protection

Use gloves resistant to the product (e.g. made from nitrile rubber, viton, EN 374). In case of short term contact use protective gloves with effectiveness level 2 or higher (permeation time > 30 minutes). In case of long term contact use protective gloves with effectiveness level 6 (permeation time > 480 minutes). Using protective cream on exposed parts of the body is recommended.

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Body protection

Antistatic protective clothing made of dense fabric (preferably from natural fibers, such as cotton).
Safety boots.

Eye protection

Safety glasses in a sealed enclosure with side protection (plastic casing resistant to organic solvents, EN 166).

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Respiratory protection

Under normal conditions of use is not required. In case of insufficient ventilation, wear an approved respirator with a filter of AX type. Use breathing apparatus with independent air supply in case of: working in a confined space, insufficient amount of oxygen in the air, a large uncontrolled emissions or other circumstances when the mask with the filter does not give a sufficient protection.

Thermal hazards

Do not occur.

Environmental exposure controls

Avoid environment contamination, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state: | liquid in aerosol container |
| Colour: | according to specification |
| Odour: | characteristic |
| Melting point/freezing point: | not applicable |
| Boiling point or initial boiling point and boiling range: | -42 to 142 °C (propane, xylene respectively) |
| Flammability: | extremely flammable aerosol |
| Lower and upper explosion limit: | 9.6/1.9 % vol. (for propellant) |
| Flash point: | -105 °C (propane) |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |
| pH: | not determined |
| Kinematic viscosity: | not applicable |
| Solubility: | not determined |
| Partition coefficient n-octanol/water (log value): | not determined |
| Vapour pressure: | > 0.1 MPa (-15 °C), < 2.55 MPa (70 °C) – for propellant |
| Density and/or relative density: | not determined |
| Relative vapour density: | not determined |
| Particle characteristics: | not applicable |

9.2 Other information

No additional data.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. Product vapours can create explosive mixtures with air. See also subsections 10.3 – 10.5.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

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10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid sources of heat and direct sunlight, temperature above 50 °C.

10.5 Incompatible materials

Avoid contact with strong oxidizers.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

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

Toxicity of ingredients

acetone

LD₅₀ (oral) 5800 mg/kg (experimental value)

LD₅₀ (skin, rat) 7400 mg/kg (experimental value)

LC₅₀ (inhalation, rat) 76 mg/l/4h (experimental value)

ethyl acetate

LD₅₀ (oral, rabbit) 4934 mg/kg (experimental value)

LD₅₀ (skin, rabbit male) > 20000 mg/kg (experimental value)

LC₅₀ (inhalation, rat) > 22.5 mg/l/6h (experimental value)

n-butyl acetate

LD₅₀ (skin, rabbit) 14000 mg/kg

LC₅₀ (inhalation, rat) 9660 mg/m³/8h

xylene - mixture of isomers

LD₅₀ (oral, rat) 5000 mg/kg

LD₅₀ (skin, rabbit) 1700 mg/kg

LC₅₀ (inhalation, rat) 4550 ppm/4h

Toxicity of mixture

Acute toxicity

ATEmix (skin)* > 2000 mg/kg

ATEmix (inhalation, mist)* > 5 mg/l

* The acute toxicity estimate (ATEmix) was determined using the appropriate conversion value from Table 3.1.2 in Annex I to CLP as amended.

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

Suspected of damaging fertility. Suspected of damaging the unborn child.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

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

Aspiration hazard

Product contains components with low viscosity which are classified as hazardous after aspiration caused by ingestion. However, because of product form which prevents accidental ingestion, the whole product does not pose aspirational hazard.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation. See subsection 4.2 for more information on the effects from each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

No data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Other information

No data.

Section 12: Ecological information

12.1 Toxicity

Toxicity of ingredients

hydrocarbons, C₃₋₄, petroleum gas

Acute toxicity for fish LC₅₀ > 24.11 mg/l/96h (*Oncorhynchus mykiss*)

Acute toxicity for daphnia EC₅₀ > 14.22 mg/l/48h (*Daphnia magna*)

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| | | |
|--|------------------|--|
| Acute toxicity for algae <u>acetone</u> | EC ₅₀ | > 7.71 mg/l/72h (<i>Pseudokirchneriella subcapitata</i>) |
| Acute toxicity for fish | LC ₅₀ | 5540 mg/l/96h (<i>Oncorhynchus mykiss</i>) |
| | LC ₅₀ | 11000 mg/l/96h (<i>Alburnus alburnus</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 8800 mg/l/48h (<i>Daphnia pulex</i>) |
| | EC ₅₀ | 2100 mg/l/24h (<i>Artemisia salina</i>) |
| Acute toxicity for algae | NOEC | 530 mg/l/8h (<i>Microcystis aeruginosa</i>) |
| | NOEC | 430 mg/l/96h (<i>Prorocentrum minimum</i>) |
| Acute toxicity for bacteria <u>ethyl acetate</u> | EC ₁₂ | 1000 mg/l/30 min. (active sludge) |
| Acute toxicity for fish | LC ₅₀ | 230 mg/l/96h (<i>Pimephales promelas</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 165 mg/l/48h (<i>Daphnia magna</i>) |
| Acute toxicity for algae | EC ₅₀ | > 900 mg/l/72h (<i>Scenedesmus pannonicus</i>) |
| Long-term toxicity for daphnia <u>n-butyl acetate</u> | NOEC | 2.4 mg/l/21d (<i>Daphnia magna</i>) |
| Acute toxicity for fish | LC ₅₀ | 62 mg/l/48h (<i>Leuciscus iduslas</i>) |
| | LC ₅₀ | 18 mg/l/96h (<i>Pimephales promelas</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 44 mg/l/48h (<i>Daphnia magna</i>) |
| Acute toxicity for algae | IC ₅₀ | 675 mg/l/72h (<i>Scenedesmus subspicatus</i>) |
| <u>xylene - mixture of isomers</u> | | |
| Acute toxicity for daphnia | EC ₅₀ | 7.4 mg/l/48h (<i>Daphnia magna</i>) |

Toxicity of mixture

Product is harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data for mixture.

12.3 Bioaccumulative potential

Data for ingredients

n-butyl acetate: bioconcentration factor BCF = 3.1

12.4 Mobility in soil

Product is mobile in water environment and soil. Gaseous components quickly spread in atmosphere. Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms (mostly: bacteria, fungus, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

Substances contained in the product are not assessed as PBT and vPvB.

12.6 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

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12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg. global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: not empty into drains. Disposal in accordance with the local legislation. Do not remove the remains from the original packaging. Recommended waste code: 16 03 05* Organic wastes containing dangerous substances. Waste code should be given in the place of its formation.

Disposal methods for used packing: classification of the waste meets the requirements for hazardous waste. Deliver the packaging to an authorized company. Do not mix with other waste materials. Do not burn and do not pierce the empty package.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1 UN number or ID number

UN 1950

14.2 UN proper shipping name

AEROSOLS, flammable

14.3 Transport hazard class(es)

2 (label 2.1)

14.4 Packing group

Not applicable. Limited quantities 1 l.

14.5 Environmental hazards

Mixture is not hazardous for the environment according to the criteria of transport regulations.

14.6 Special precautions for user

Avoid sources of ignition and flame. Packages should not be thrown or subjected to impact. Receptacles shall be so placed on the vehicle or container that they cannot tip over or fall.

EMS: F-D, S-U (IMDG code for shipping).

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

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 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

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Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (Text with EEA relevance).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

ADR Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG Code International Maritime Dangerous Goods Code.

IATA Dangerous Goods Regulations.

15.2 Chemical safety assessment

It is not necessary to carry out a chemical safety assessment for the mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

| | |
|------|---|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |

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| | |
|--------|--|
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Abbreviations and acronyms

| | |
|-------------------|---|
| Acute Tox. 4 | Acute toxicity category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - acute chronic category 2 |
| Asp Tox. 1 | Aspiration hazard category 1 |
| Eye Irrit. 2 | Eye irritation category 2 |
| Flam. Gas 1 | Flammable gas category 1 |
| Flam. Liq. 2, 3 | Flammable liquid category 2, 3 |
| Press. Gas | Gas under pressure |
| Repr. 2 | Reproductive toxicity category 2 |
| Skin Irrit. 2 | Skin irritation category 2 |
| Skin Sens. 1 | Skin sensitization category 1 |
| STOT RE 2 | Specific target organ toxicity — repeated exposure category 2 |
| STOT SE 3 | Specific target organ toxicity — single exposure category 3 |
| PBT | Persistent, Bioaccumulative and Toxic substance |
| vPvB | very Persistent, very Bioaccumulative substance |
| DNEL | Derived No Effect Level. |
| PNEC | Predicted No Effect Concentration |
| NOEC | No Observed Effect Concentration |

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

Key literature references and data sources

This SDS was prepared on the basis of sheets of the individual components delivered by the manufacturer, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Methods of evaluating information which was used for the purpose of classification of the mixture according to Regulation 1272/2008/EC (CLP) as amended

| | |
|------------------------|-----------------------|
| Aerosol 1 H222-H229 | based on test results |
| Asp. Tox. 1 H304 | calculation method |
| Skin Irrit. 2 H315 | calculation method |
| Skin Sens. 1 H317 | calculation method |
| Eye Irrit. 2 H319 | calculation method |
| STOT SE 3 H336 | calculation method |
| Repr. 2 H361fd | calculation method |
| Aquatic Chronic 3 H412 | calculation method |

Other data

| | |
|-----------------|------------|
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Changes: Sections 1-16.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.