

Safety Data Sheet

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

Spray Professional CYNK ALUMINIUM

Date of issue: 08.03.2013

Version: 1.0/EN

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

1.1 Product identifier

Spray Professional CYNK ALUMINIUM

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

Relevant identified uses: product intended for decorative and refinish spray coating galvanized steel and other surfaces.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: CHAMPION COLOR PLUS Sp. z o.o.

Address: ul. Dworcowa 7 84-123 Potchowo

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

E-mail address for a competent person responsible for sds: biuro@theta-doradztwo.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

F+ R12, Xn R20/21, Xi R36, R66

Human health hazards

Harmful. Harmful by inhalation and in contact with skin. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Environmental effects

Product is non dangerous for environment.

Physicochemical adverse effects

Extremely flammable.

2.2 Label elements

Hazard symbols



F+

EXTREMELY FLAMMABLE



Xn
HARMFUL

Substance name for labeling

Contains: xylene, ethylbenzene.

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Risk phrases

R12* Extremely flammable.

R20/21 Harmful by inhalation and in contact with skin

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

* is not required to repeat a word meaning hazard symbol.

Safety phrases

S23 Do not breathe vapour/spray.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

Additional marking on the label according to directive 75/324/EEC

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Maximum VOC content limit: 840 g/l

VOC in product: below 680 g/l

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

acetone

Range of percentages: 20 - 30%

CAS number: 67-64-1

EC number: 200-662-2

Registration number: 01-2119471330-49-XXXX

Classification acc. to 67/548/EEC: F R11, Xi R36, R66, R67

Classification acc. to 1272/2008/EC: Flam. Liq. 2 H225, Eye Irrit. 2 H319, EUH066, STOT SE 3 H336

Substance with Community level exposure limit in the workplace.

hydrocarbons, C3-4 *

Range of percentages: 25-45%

CAS number: 68476-40-4

EC number: 270-681-9

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Registration number: 01-2119486557-22-XXXX
Classification acc. to 67/548/EEC: F+ R12
Classification acc. to 1272/2008/EC: Flam. Gas 1 H220, Liquefied gas H280
The classification as a carcinogen or mutagen need not apply, because substance contains less than 0,1 % 1,3-butadiene (Note K).

xylene

Range of percentages: 15-19%
CAS number: 1330-20-7
EC number: 215-535-7
Registration number: 01-2119488216-32-XXXX
Classification acc. to 67/548/EEC: R10, Xn R20/21-R65, Xi R38
Classification acc. to 1272/2008/EC: Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H335, STOT RE 2 H373, Eye Irrit. 2 H319

Substance with Community level exposure limit in the workplace.

ethylbenzene

Range of percentages: < 5%
CAS number: 100-41-4
EC number: 202-849-4
Registration number: 01-2119486136-34-XXXX
Classification acc. to 67/548/EEC: F R11, Xn R20
Classification acc. to 1272/2008/EC: Flam. Liq. 2 H225, Acute Tox. 4 H332

Substance with Community level exposure limit in the workplace.

n-butyl acetate

Range of percentages: < 5%
CAS number: 123-86-4
EC number: 204-658-1
Registration number: 01-2119485493-29-XXXX
Classification acc. to 67/548/EEC: R10, R66, R67
Classification acc. to 1272/2008/EC: Flam. Liq. 3 H226, EUH066, STOT SE 3 H336

Full text of each relevant R and 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. Contaminated skin clean mechanically, wash with water, then wash out with plenty of water with soap. Consult a doctor, if worrisome symptoms occur.

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Eye contact: seek medical advice if worrisome symptoms appears. Wash out an eye with plenty of water with the eyelid hold wide open, for 10-15 min. Remove any contact lenses, protect non-eye. Avoid strong stream of water – risk of damage of the cornea.

Ingestion: exposure in this way 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 to fresh air. Keep warm and calm. Consult a doctor, if symptoms persist. Artificial respiration or oxygen if needed. Consult a doctor, if worrisome symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: degreasing, burning, redness, may cause skin dryness or cracking with repeated exposure, frostbite by spraying the skin spray at close range.

Eye contact: irritation.

Ingestion: may cause irritation of the mucous membranes gastrointestinal tract, nausea, vomiting.

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

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: carbon dioxide (CO₂), foam, dry chemical, water fog.

Small fire put out the snow (CO₂) or dry powder (ABC or BC), a large fire extinguish alcohol-resistant foam or water fog. Large fire fight with protected posts.

Unsuitable extinguishing media: water jet.

5.2 Special hazards arising from the substance or mixture

If burning may produce irritating and toxic vapours and gases contain carbon oxides. Do not inhale them, may pose a health hazard.

5.3 Advice for firefighters

Personal protection typical in case of fire. Wear suitable respiratory protective equipment. Do not allow extinguishing water entering drains, surface water and groundwater. Gas can accumulate on the surface of the ground and move long distances creating a risk of fire or explosion. Cool containers at risk of fire from a safe distance with water spray. Pressurized container - danger of leaks, or even an explosion at a high temperature.

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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 consequences of failure remove only trained personnel. Avoid contact with eyes and skin. Do not inhale vapours. Ensure adequate ventilation. In case of large spills, isolate the exposed area. Remove all sources of ignition, do not use open flames or sparking tools. Wear adequate personal protective equipment.

6.2 Methods and material for containment and cleaning up

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.

6.3 Methods and material for containment and cleaning up

Collect damaged container mechanically. Leakage absorb with non-inflammable liquid-binding material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to appropriate waste disposal containers. Disposal in accordance with the local legislation. Clean contaminated surface. Do not use sparking tools.

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 Personal precautions, protective equipment and emergency procedures

Handle in accordance with good occupational hygiene and safety practices. Avoid eyes and skin contact. Ensure adequate ventilation. Do not inhale aerosol. 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 heat. Do not spray on a naked flame or any incandescent material. Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Store only in a cool, dry place in temperature below 50 °C. The recommended storage temperature up to + 35 °C. Keep away from sources of ignition and heat. Do not smoke, use open flame and sparking devices in a storeroom. 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 and steel corrosive agents (acids, salt solutions) - the risk of damage and the release of aerosols content.

7.3 Specific end use(s)

Product intended for decorative and refinish spray coating galvanized steel and other surfaces.

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Section 8: Exposure controls/personal protection

8.1 Control parameters

| Specification | Limit values | | | | Notation |
|----------------------------|-------------------|-----|-------------------|-----|----------|
| | 8 hours | | short term | | |
| | mg/m ³ | ppm | mg/m ³ | ppm | |
| Acetone CAS: 67-64-1 | 1210 | 500 | - | - | - |
| Xylene CAS: 1330-20-7 | 221 | 50 | 442 | 100 | skin |
| Ethylbenzene CAS: 100-41-4 | 442 | 100 | 884 | 200 | skin |

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

PNEC values for components

| PNEC | acetone | n-buthyl acetate |
|-------------------------|------------------------|-------------------------|
| fresh water | 10,6 mg/l | 0,18 mg/m ³ |
| marine water | 1,06 mg/l | 0,018 mg/m ³ |
| intermittent release | 21 mg/l | 0,36 mg/m ³ |
| fresh water sediment | 30,4 mg/kg TG | 0,981 mg/kg d.w. |
| marine water sediment | 3,04 mg/kg TG | 0,0981 mg/kg d.w. |
| sewage treatment plants | 29,5 mg/l ³ | — |
| soil | 0,112 mg/kg TG | 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 KG./day | 62 mg/kg KG/day |
| oral, long-term exposure | — | 62 mg/kg KG/day |

| DNEL | n-buthyl 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 |

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| DNEL | xylene | |
|---|-----------------------|------------------------|
| | worker | consumer |
| inhalation, short-term exposure (local / systemic effects) | 289 mg/m ³ | 174 mg/m ³ |
| inhalation, long-term exposure (local / systemic effects) | 77 mg/m ³ | 14,8 mg/m ³ |
| 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

Use the product in accordance with good occupational hygiene and safety practices. When handling do not eat, drink or smoke. Avoid eyes and skin contamination. Ensure adequate ventilation. Take off contaminated clothes. If during the work processes there is a risk of inflammation garment worker - not more than 20 m in the horizontal line of the positions in which these processes are performed, there should be installed showers rescue (safety showers) to wash the whole body and separate showers (showers) eyewash .

Hand protection

Use gloves resistant to the product (e.g. made from butyl rubber). We recommend the use of barrier cream on exposed parts of the body.

During use of protective gloves in contact with chemical products you should be aware that these performance levels and corresponding breakthrough times do not mean real time protection to the workplace, because this protection is affected by many factors, such as temperature, effects of other substances, etc. It is recommended replacement the gloves, if there are any signs of wear, damage or change in appearance (color, elasticity, shape). Observe the manufacturer's instructions, not only in the use of gloves, but also for their cleaning, maintenance and storage. Also important is the correct way to remove the gloves to avoid contamination of the hands when performing this operation.

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).

Respiratory protection

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

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.

Environmental exposure controls

Do not allow the mixture to contaminate surface water/ground water.

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| physical state/form: | liquid in aerosol |
| colour: | according to specification |
| odour: | characteristic |
| odour threshold: | not determined |
| pH: | not determined |
| melting point/freezing point: | not determined |
| initial boiling point and boiling range (1013 hPa): | -42 do 142°C (propane, xylene respectively) |
| flash point: | - 105°C (propane) |
| evaporation rate: | not determined |
| flammability (solid, gas): | extremely flammable |
| upper/lower flammability or explosive limits: | 9,6/1,9 %vol. (for propellant) |
| vapour pressure: | > 0,1MPa (-15°C), < 2,55 MPa (70°C) – for propellant |
| vapour density (air=1): | > 1 |
| density (20°C): | ca. 0,7 kg/dm ³ |
| solubility(ies): | 0,012 kg/dm ³ (water) |
| partition coefficient: n-octanol/water: | not determined |
| auto-ignition temperature: | > 287°C |
| decomposition temperature: | not determined |
| explosive properties: | create explosive mixtures with air |
| oxidising properties: | not display |
| viscosity dynamic: | not determined |

9.2 Other information No additional data.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. See subsections 10.3 – 10.5.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

Dangerous 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 oxidizing.

10.6 Hazardous decomposition products

Not known.

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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of ingredients

acetone

LD₅₀ (oral) 5 800 mg/kg (experimental value)

LD₅₀ (skin, rat) 7 400 mg/kg (experimental value)

LC₅₀ (inhalation, rat) 7,6 mg/l/4h (experimental value)

n-buthyl acetate

LD₅₀ (oral, rat) > 10 000 mg/kg

LD₅₀ (skin, rabbit) > 14 000 mg/kg

LC₅₀ (inhalation, rat) > 21,1 mg/l/4h

xylene

LD₅₀ (oral, rat) 3 523 – 8 700 mg/kg

LD₅₀ (skin, rabbit) > 2 000 mg/kg

LC₅₀ (inhalation, rat) 21,7 – 6 350 mg/l/4h

ethylbenzene

LD₅₀ (oral, rat) 3 500 mg/kg

LD₅₀ (skin, rabbit) 15 500 mg/kg

LC₅₀ (inhalation, rat) 17,2 mg/l/4h

Toxicity of mixture

Acute toxicity

Harmful by inhalation and in contact with skin

Irritation

Irritating to eyes.

Corrosivity

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

Sensitisation

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

Repeated dose toxicity

Repeated exposure may cause skin dryness or cracking.

Carcinogenicity

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

Mutagenicity

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

Toxicity for reproduction

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

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Section 12: Ecological information

12.1 Toxicity

Toxicity of ingredients

hydrocarbons C₃₋₄

| | | |
|----------------------------|------------------|--|
| Acute toxicity for fish | LC ₅₀ | > 24,11 mg/l/96h (<i>Oncorhynchus mykiss</i>) |
| Acute toxicity for daphnia | EC ₅₀ | > 14,22 mg/l/48h (<i>Daphnia magna</i>) |
| Acute toxicity for algae | EC ₅₀ | > 7,71 mg/l/72h (<i>Pseudokirchneriella subcapitata</i>) |

acetone

| | | |
|-----------------------------|------------------|---|
| Acute toxicity for fish | LC ₅₀ | 5 540 mg/l/96h (<i>Oncorhynchus mykiss</i>) |
| | LC ₅₀ | 11 000 mg/l/96h (<i>Alburnus alburnus</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 8 800 mg/l/48h (<i>Daphnia pulex</i>) |
| | EC ₅₀ | 2 100 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 | EC12 | 1 000 mg/l/30 min. (activated sludge) |

n-buthyl acetate

| | | |
|----------------------------|------------------|---|
| 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>) |

xylene

| | | |
|----------------------------|------------------|--|
| Acute toxicity for fish | LC ₅₀ | 20,9 mg/l/96h (<i>Lepomis macrochirus</i>) |
| | LC ₅₀ | 26,7 mg/l/96h (<i>Pimephales promelas</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 1 - 165 mg/l/24h (<i>Daphnia magna</i>) |
| Acute toxicity for algae | IC ₅₀ | 2,2 mg/l/72h |

ethylbenzene

| | | |
|----------------------------|------------------|---|
| Acute toxicity for fish | LC ₅₀ | 94,44 mg/l/96h (<i>Carassius auratus</i>) |
| | LC ₅₀ | 12,1 mg/l/96h (<i>Pimephales promelas</i>) |
| | LC ₅₀ | 4,2 mg/l/96h (<i>Onchorhyncus mykiss</i>) |
| Acute toxicity for daphnia | EC ₅₀ | 1,8 – 2,9 mg/l/24h |
| Acute toxicity for algae | IC ₅₀ | 4,6 mg/l/72h (<i>Selenastrum capricornutum</i>) |

Toxicity of mixture

Product is not classified as dangerous for environment.

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

Product is mobile in soil and water. Gaseous components rapidly disperse in the air.

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12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

This product has no influence on the global warming or the ozone layer depletion. The product does not contain organically bound halogens which could affect the AOX value in waste water.

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. Proposed waste code:

08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances . 16 03 05* Organic wastes containing dangerous substances.

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

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

Section 14: Transport information

14.1 UN number

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. Limit quantity 1l (LQ2).

14.5 Environmental hazards

None.

14.6 Special precautions for user

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

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

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.



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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.

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).

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Commission Regulation (EC) No 790/2009 of 10 August 2009 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 (Text with EEA relevance).

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance).

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

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers

15.2 Chemical safety assessment

Chemical safety assessment is not required for mixture.

Section 16: Other information

Full text of indicated R and H phrases mentioned in section 3

| | |
|--------|---|
| R10 | Flammable |
| R11 | Highly flammable |
| R12 | Extremely flammable |
| R20 | Harmful by inhalation. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |
| 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. |

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| | |
|---------|--|
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| EUH 066 | Repeated exposure may cause skin dryness or cracking. |

Abbreviations and acronyms

| | |
|-----------------|---|
| PBT | Persistent, Bioaccumulative and Toxic substance |
| vPvB | very Persistent, very Bioaccumulative substance |
| DNEL | Derived No Effect Level. |
| PNEC | Predicted No Effect Concentration |
| Flam. Gas 1 | Flammable gas category 1 |
| Liquefied gas | Gas under pressure |
| Eye Irrit. 2 | Eye irritation category 2 |
| Skin Irrit. 2 | Skin irritation category 2 |
| Flam. Liq. 2, 3 | Flammable liquid category 2, 3 |
| STOT SE 3 | Specific target organ toxicity — single exposure category 3 |
| STOT RE 2 | Specific target organ toxicity — repeated exposure category 2 |
| Asp Tox. 1 | Aspiration hazard |
| Acute Tox. 4 | Acute toxicity category 4 |

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).

Other data

| | |
|----------------------------|---|
| Date of issue: | 08.03.2013 |
| Version: | 1.0/EN |
| Composed by: | Kinga Wasilewska (on the basis of producer's data). |
| Safety Data Sheet made by: | „THETA” Doradztwo Techniczne |

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