

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 1/8

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY IDENTIFICATION

Product name: Spray Professional ZINC ANTICORROSIVE PAINT

Article number

Application for the substance/the preparation Designed for anticorrosive protection of steel and cast iron.
Colour: gray.

Pressurized container. (aerosol)

Manufacturer: CHAMPION COLOR PLUS SP. z o.o.

84-123 Polchowo,

ul. Dworcowa 7

tel: +48 58 673-94-36

fax: +48 58 673-94-22

e-mail: biuro@championcolor.pl

www.championcolor.pl

Supplier:

Emergency telephone: +48 58 673-94-36 (hours 8.00-15.00)

2. HAZARDS IDENTIFICATION

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Warning! Pressurized container.



F⁺



Xi



N

R 12 Extremely flammable

R 36 Irritating to eyes

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

S 2 Keep out of the reach of children

S 23 Do not breathe aerosol

S 24/25 Avoid contact with skin and eyes.

S 46 If swallowed, seek medical advice immediately and show this container or label.

S 51 Use only in well-ventilated areas.

S 61 Avoid release to the environment.

S 62 If swallowed, do not induce vomiting: seek medical advice immediately.

Environmental effects:

Using the preparation releases volatile organic solvent vapours mentioned in point 2 along with aliphatic hydrocarbons (propane, n-butane).

Slight solubility in water. Fixed elements are adsorbed in soil and sediments. It does not contain lead or chromium compounds.

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 ignition- No smoking. Keep out of reach of children.

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 2/8

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. INFORMATION ON INGREDIENTS

Product contains synthetic resins, stabilized with zinc powder and volatile organic solvents and mixture of propane-butane as a propellant.

Hazard components:

Chemical name	EC No.	CAS No.	Index No.	% by weight (approx.)	Classification
acetone	200-662-2	67-64-1	606-001-00-8	17 - 25	F; Xi R 11-36-66-67
ethyl acetate	205-500-4	141-78-6	607-022-00-5	2 - 10	F; Xi; R 11-36-66-67
xylene (isomer mixture)	215-535-7	1330-20-7	601-022-00-9	8 - 11	Xn; R 10-20/21-38
propane	200-827-9	74-98-6	601-003-00-5	7 - 15	F+; R 12
n-butane	203-448-7	106-97-8	601-004-00-0	10 - 15	F+; R 12
butyl acetate	204-658-1	123-86-4	607-025-00-1	4 - 8	R 10-66-67
zinc (dust stabilized)	231-175-3	7440-66-6	030-001-00-1	22 - 24	N; R 50/53

Note: Explanation: T⁺ = very toxic, T = toxic, C = corrosive, Xn = harmful, Xi = irritating, E = explosive, O = oxidizing, F⁺ = extremely flammable, F = highly flammable, N = dangerous for the environment

4. FIRST AID MEASURES

- After ingestion:** Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils.
Keep airways free.
Contact a physician.
Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.
- After inhalation:** Remove to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.
- After skin contact:** Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness.
Consult a physician if irritation continues.
If large skin area is affected, remove contaminated clothing.
- After eye contact:** Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
- Notes to physician:** Use of sympathomimetic drugs should be avoided. If ingested, the material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended.
Consider activated charcoal and/or gastric lavage.
If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.
- Antidotes:** No special antidotes.

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 3/8

5. FIRE-FIGHTING MEASURES

Containers exposed to fire should be cooled with a water stream. Aerosol heated up to 50 °C may be prone to abrupt unsealing with the release of extremely flammable substances.

- Suitable extinguishing agents:** CO₂, powder or water spray.
Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:** Water with full jet.
- Special hazards caused by the substance, its products of combustion or resulting gases:** Can form explosive gas-air mixtures.
- Protective equipment:** Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.
- Special explosion hazard:** Contents extremely flammable and under pressure.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Use personal protection recommended in Section 8.
Isolate hazard area and deny entry to unnecessary and protected personnel.
- Containment Procedures:** Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
DO NOT use combustible material such as sawdust.
- Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface of ground water.
- Cleanup procedures:** Spills from aerosol cans are unlikely small volume.
Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well.
Remove sources of ignition and use non-sparking equipment.
Soak up material with inert absorbent and place in safety containers for proper disposal.
- Prohibited materials**
Measures for cleaning/collecting: Combustible absorbent material such sawdust.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents.

7. HANDLING AND STORAGE

- Handling:**
- Information for safe handling:** Keep away from heat and direct sunlight Ensure good ventilation/exhaustion at the workplace.
Take note of emission threshold.
Use only in well ventilated areas.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- Information about fire – and explosion protection:** Do not spray onto a naked flame or any incandescent material. Keep ignition sources away – Do not smoke
Pressurized container: protect from sunlight and do not expose to

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 4/8

temperatures exceeding 50 °C, i.e. electric lights.
Do not pierce or burn, even after use.

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.

Further information about storage conditions:

Protect from heat and direct sunlight.
Materials to avoid: Strong oxidizing agents (concentrated nitric acid, hydrogen peroxide, organic peroxide) – risk of fire.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Additional information: The lists valid during the making were used as basis.

Substance	CAS number	Long-term exposure limit (mg/m ³)	Short-term exposure limit (mg/m ³)	Remark
acetone	67-64-1	1210	-	-
ethyl acetate	141-78-6	-	-	-
xylene (isomer mixture)	1330-20-7	221	442	skin
propane	74-98-6	-	-	-
n-butane	106-97-8	-	-	-
butyl acetate	123-86-4	-	-	-

Xylene

DSB - methylohipuric acid (uryne) - 1,4 g/dm³

Acetone

DSB - methylohipuric acid (uryne) – not available.



Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of glove Nitrile rubber, NBR

Penetration time of glove material:

Gloves must be changed after every contamination.
The Exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eyes- face protection:

Safety glasses with side shields are recommended as minimum for any type of industrial chemical

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 5/8

handling.

Where eye contact with this material could occur, chemical splash proof goggles are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20 °C)	The liquid (temp. 20°C) in a spray can, under balanced pressure 0.3-0.5 MPa.
Colour	Gray - according to the brands on the container.
Odour	Characteristic.
pH	Not available.
Boiling point (1013 hPa)	-42 to 142 °C (propane, xylene respectively).
Flash point, not lower than	- 105 °C (propane).
Autoignition temperature	450 °C (propane/butane).
Explosion limits	1.9 to 9.6% vol. (propane/butane).
Vapour pressures at 20 °C, not lower than	0.5 Mpa (propane).
Density at 20 °C	ca 0.8 [kg/dm ³].
Solubility in water	Below 0.012 kg/dm ³ .
Solubility in organic solvents	Aromatic hydrocarbons, esters, ketone.
Water/octanol partitioning coefficient	Not determined.
Other properties	Vapour density greater than air.

10. STABILITY AND REACTIVITY

Thermal decomposition/ conditions to be avoided:	No decomposition if used according to specifications.
Materials to avoid:	Strong oxidizing agents (concentrated nitric acid, hydrogen peroxide, organic peroxide) – risk of fire.
Dangerous decomposition products:	Possible in traces.

11. TOXICOLOGICAL INFORMATION

According to EEC criteria this product is not classified as a „hazardous substance“.

Way of exposure:

Eyes	yes
Skin	yes
Ingestion	yes
Inhalation	yes (aerazol)

Acute toxicity:

Acetone:

The threshold of perceptible of the scent – 484-968 mg/ m³
 LD50 (oral, rat)- 7400 mg/kg,
 LC50 (inhalation, rat)- 50100 mg/m³ (8h)
 LCL0 (inhalation, rat)- 38720 mg/m³ (4h)
 LD50 (skin, rabbit)- 20000 mg/kg
 TCL0 (man, inhalation)- 1210 mg/m³

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 6/8

Xylene, (mix of isomeres):

LD50 (oral , rat)- 4300 mg/kg,

LC50 (inhalation, rat)- 22100 mg/m³ (4h)

LD50 (skin, rabbit, rat)- lack of data.

Primary irritant effect:

Target organs:

Eyes, skin, respiratory system, central nervous system, kidneys

Skin contact:

Repeated exposure may cause skin dryness or cracking.

May cause more severe response if confined to skin.

Eye contact:

Irritant to eyes.

Liquid contact may cause pain along with moderate eye irritation.

Inhalation:

Vapours may cause drowsiness and dizziness.

Prolonged or repeated overexposure is anesthetic.

May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death.

Irritation of the mucous membranes, coughing, and dyspnoea are also possible.

Ingestion:

Due to being an aerosol, the product does not lend itself to ingestion.

Should ingestion occur, it may cause irritation to membranes.

Sensitization:

No sensitizing effects known.

12. ECOLOGICAL INFORMATION

General notes:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53

Ecotoxicity:

Acetone:

LC50-fish (Leuciscus idus melanotus) 7,5 g/l (48h)

LC50- crustacea (Daphnia magna) 10 g/l (24h)

Xylene:

LC50- fish (Pimephales promelas) 16,1 mg/l (96h)

LC50- fish (Salmo gairdneri) 8 mg/l (96h)

LC50- fish (Lepomis macrochirus) 16,1 mg/l (96h)

LC50- fish (Carassius auratus) 16, 1 mg/l (96h)

EC50- crustacea (Daphnia magna) 3,82 mg/l (48h).

13. DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

Empty aerosols can be disposed with the ordinary waste.

Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition.

European waste catalogue:

15 01 10 packaging containing residues of or contaminated by dangerous substances.

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 7/8

Uncleaned packaging:

Recommendation:

All waste must be disposed of in compliance with the respective national and/or local regulations.

Incineration precautions: DO NOT INCINERATE. CONTENTS UNDER PRESSURE .

14. TRANSPORT INFORMATION

Land transport ARD/RID (cross-border)

ARD/RID class: 2- 5F Gases

Danger code (Kemler) 23

UN-Number: 1950

Packaging group: -

Hazard label 2.1

Description of good: 1950 AEROSOLS



Maritime transport IMDG

IMDG Class: 2.1

UN number: 1950

Label 2.1

Packaging group: -

EMS Number: F-D , S-U

Marine pollutant: No

Proper shipping name: AEROSOLS



Air transport IMDG

ICAO/IATA Class: 2.1

UN/ID Number: 1950

Label 2.1

Packaging group: -AEROSOLS flammable

Proper shipping name: AEROSOLS, flammable



15. REGULATORY INFORMATION

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives \ Ordinance on Hazardous Materials.

Labeling:



F+

Extremely flammable.



Xi

Irritant.



N

Dangerous for the environment.

Code letter and hazard designation of product:

Risk phrases:

SAFETY DATA SHEET		CHAMPION COLOR PLUS Sp. z o.o.
Spray Professional ZINC ANTICORROSIVE PAINT		
Date: 16.02.2010	Revision date:	Page/pages 8/8

R 12 Extremely flammable.
R 36 Irritating to eyes.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S 2 Keep out of the reach of children
S 3/7 Keep container tightly closed in a cool place.
S 23 Do not breathe aerosol
S 24/25 Avoid contact with skin and eyes.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 51 Use only in well-ventilated areas.
S 61 Avoid release to the environment.
S 62 If swallowed, do not induce vomiting: seek medical advice immediately.

Special labeling of certain preparations:

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

Contain: acetone EC: 200-662-2, mixture of propane-butane as a propellant.

VOC content: < 700 g/l

Maximum allowable VOC: 840 g/l

16. OTHER INFORMATION

Relevant R-phrases mentioned in section 2, 3 and 15:

R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.
R 20/21 Harmful by inhalation and in contact with skin.
R 36 Irritating to eyes.
R 38 Irritating to skin.
R 50/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

References: Conform to Regulation (EC) No 1907/2006 (REACH).

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This document was translated from its original polish version.

Prepared by Przedsiębiorstwo EKOS s.c. 90-224 Gdańsk ul. Grunwaldzka 209 www.ekos.gda.pl

Printed: 21.06.2010

* * * * *