Safety Data Sheet

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

Spray Professional INSTANT CHROME ACRYLIC LAQUER

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 INSTANT CHROME ACRYLIC LAQUER

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

Relevant identified uses: product intended for use to decorative spray coating of various 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 Połchowo

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, Xi R36, R66, R67

Human health hazards

Irritant. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Environmental effects

Product is non dangerous for environment.

Physicochemical adverse effetcs

Extremely flammable.

2.2 Label elements

Hazard symbols

F+
EXTREMELY FLAMMABLE

Xi
IRRITANT

Substance name for labeling

None.

Risk phrases

R12* Extremely flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
* is not required to repeat a word meaning hazard symbol.

Safety phrases

S23 Do not breathe vapour/spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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 - 35%
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

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).

n-butyl acetate

Range of percentages:	10-17%
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

xylene

Range of percentages:	5-11%
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.

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.

Eye contact: seek medical advice if irritation appears. Wash out an eye with plenty of water with the eyelid hold wide open, for 15-20 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 import ant symptoms and effects, both acute and delayed

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

Eye contact: irritation, redness, tearing.

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

Inhalation: may cause irritation of the mucous membranes respiratory system, drowsiness 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 (CO_2), foam, dry chemical, water fog.
Small fire put out the snow (CO_2) 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.

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. Ensure adequate ventilation. Wear adequate personal protective equipment. Do not inhale vapours. In case of large spills, isolate the exposed area. Remove all sources of ignition, do not use open flames or sparkling tools.

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 sparkling 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 incompabilities

Store only in a cool, dry place below 50 º C. The recommended storage temperature up to + 35 ºC. 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 use to decorative spray coating of various surfaces.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	Limit values				Warning
	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

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 handlings 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.

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. 0,68 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.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of ingredients

acetone

LD_{50} (oral)	5 800 mg/kg (experimental value)
LD_{50} (skin, rat)	7 400 mg/kg (experimental value)
LC_{50} (inhalation, rat)	7,6 mg/l/4h (experimental value)

n-buthyl acetate

LD_{50} (oral, rat)	> 10 000 mg/kg
LD_{50} (skin, rabbit)	> 14 000 mg/kg
LC_{50} (inhalation, rat)	> 21,1 mg/l/4h

xylene

LD_{50} (oral, rat)	3 523 – 8 700 mg/kg
LD_{50} (skin, rabbit)	> 2 000 mg/kg
LC_{50} (inhalation, rat)	21,7 – 6 350 mg/l/4h

ethylbenzene

LD_{50} (oral, rat)	3 500 mg/kg
LD_{50} (skin, rabbit)	15 500 mg/kg
LC_{50} (inhalation, rat)	17,2 mg/l/4h

Toxicity of mixture

Acute toxicity

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

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.

Other toxicity

Vapours may cause drowsiness and dizziness.

Section 12: Ecological information

12.1 Toxicity

Toxicity of ingredients

hydrocarbons C_{3-4}

Acute toxicity for fish	LC_{50}	> 24,11 mg/l/96h (*Oncorhynchus mykiss*)
Acute toxicity for daphnia	EC_{50}	> 14,22 mg/l/48h (*Daphnia magna*)
Acute toxicity for algae	EC_{50}	> 7,71 mg/l/72h (*Pseudokirchneriella subcapitata)*

acetone

Acute toxicity for fish	LC_{50}	5 540 mg/l/96h (*Oncorhynchus mykiss*)
	LC_{50}	11 000 mg/l/96h (*Alburnus alburnus)*
Acute toxicity for daphnia	EC_{50}	8 800 mg/l/48h (*Daphnia pulex*)
	EC_{50}	2 100 mg/l/24h (*Artemisia salina*)
Acute toxicity for algae	NOEC	530 mg/l/8h (*Microcystis aeruginosa*)
	NOEC	430 mg/l/96h (*Prorocentrum minimum*)
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 (*Leuciscus iduslas*)
	LC_{50}	18 mg/l/96h (*Pimephales promelas*)
Acute toxicity for daphnia	EC_{50}	44 mg/l/48h (*Daphnia magna)*
Acute toxicity for algae	IC_{50}	675 mg/l/72h (*Scenedesmus subspicatus*)

xylene

Acute toxicity for fish	LC_{50}	20,9 mg/l/96h (*Lepomis macrochirus*)
	LC_{50}	26,7 mg/l/96h (*Pimephales promelas*)
Acute toxicity for daphnia	EC_{50}	1 - 165 mg/l/24h (*Daphnia magna)*
Acute toxicity for algae	IC_{50}	2,2 mg/l/72h

ethylbenzene

Acute toxicity for fish	LC_{50}	94,44 mg/l/96h (*Carassius auratus*)
	LC_{50}	12,1 mg/l/96h (*Pimephales promelas*)
	LC_{50}	4,2 mg/l/96h (*Onchorhyncus mykiss)*
Acute toxicity for daphnia	EC_{50}	1,8 – 2,9 mg/l/24h
Acute toxicity for algae	IC_{50}	4,6 mg/l/72h (*Selenastrum capricornutum*)

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 dispersed in the air

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.

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.

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

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Composed by:	Kinga Wasilewska (on the basis of producer's data).
Safety Data Sheet made by:	„THETA" Doradztwo Techniczne

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.