

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## FLOOR EXPERT PU 300W matte KOMP. B



Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product code : 437890

Trade name : FLOOR EXPERT PU 300W matte KOMP. B

Unique Formula Identifier (UFI) : EMEM-MCUG-J10X-52FW

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

Use of the Substance/Mixture : SU19 Building and construction work  
Professional and consumer use of coatings  
PC9a Coatings and paints, thinners, paint removers

#### 1.3 Details of the supplier of the safety data sheet

Company : CHROMOS - Boje i lakovi d.d.  
Radnička cesta 173D  
10000 Zagreb  
Croatia

Telephone Company : 1 241 0666

Telefax Company : 1 241 5535

Responsible/issuing person : 1 241 0666  
productsafety@chromos.eu

#### 1.4 Emergency telephone number

Nazvati 112

Broj telefona za medicinske informacije: + 385-01-23-48-342

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification REGULATION (EC) No 1272/2008

Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0      Revision Date: 07.09.2021      SDS Number: MAT000437890      Date of last issue: -  
Date of first issue: 07.09.2021  
HR / EN

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

#### Prevention:

P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Hazardous components which must be listed on the label:

Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked hexamethylene-di-isocyanate

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Paint

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification REGULATION (EC) No 1272/2008	Concentration (% w/w)

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according to Regulation (EC) No. 1907/2006

## FLOOR EXPERT PU 300W matte KOMP. B



Version  
1.0

Revision Date:  
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SDS Number:  
MAT000437890  
HR / EN

Date of last issue: -  
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Hydrophilic aliphatic polyisocyanate	160994-68-3	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	$\geq 50 - < 70$
hexamethylene-di-isocyanate	822-06-0 212-485-8 615-011-00-1 01-2119457571-37	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)  specific concentration limit Resp. Sens. 1; H334 $\geq 0,5 \%$ Skin Sens. 1; H317 $\geq 0,5 \%$	$< 0,1$

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

None known.

# SAFETY DATA SHEET

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## FLOOR EXPERT PU 300W matte KOMP. B



Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0      Revision Date: 07.09.2021      SDS Number: MAT000437890      Date of last issue: -  
Date of first issue: 07.09.2021  
HR / EN

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

- Specific use(s) : For further information, refer to the product technical data sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
hexamethylene-diisocyanate	822-06-0	GVI	0,02 mg/m <sup>3</sup> (NCO)	HR OEL
		STEL	0,07 mg/m <sup>3</sup> (NCO)	HR OEL

# SAFETY DATA SHEET

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## FLOOR EXPERT PU 300W matte KOMP. B



Version  
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MAT000437890  
HR / EN

Date of last issue: -  
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### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
hexamethylene-di-isocyanate	Workers	Inhalation	Long-term systemic effects	0,035 mg/m3
	Workers	Inhalation	Acute systemic effects	0,07 mg/m3
	Workers	Inhalation	Long-term local effects	0,035 mg/m3
	Workers	Inhalation	Acute local effects	0,07 mg/m3

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
hexamethylene-di-isocyanate	Soil	0,0026 mg/kg dry weight (d.w.)
	Marine water	0,00774 mg/l
	Fresh water	0,0774 mg/l
	Marine sediment	0,001344 mg/kg dry weight (d.w.)
	Fresh water sediment	0,01334 mg/kg dry weight (d.w.)
	Sewage treatment plant	8,42 mg/l
	Intermittent use/release	0,774 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Wear a full face respirator conforming to EN136 with Type A/P2 filter or better.  
Self-contained open-circuit compressed air breathing apparatus (EN 137)  
In the case of aerosol and mist formation use an approved respirator filter (EN 141).

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : in accordance with the product description  
Odour : characteristic  
Odour Threshold : No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

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Flash point	:	Not applicable
Decomposition temperature Decomposition temperature	:	No decomposition if stored and applied as directed.
pH	:	No data available
Viscosity Viscosity, kinematic	:	> 21 mm <sup>2</sup> /s (40 °C)
Solubility(ies) Water solubility Solubility in other solvents	:	insoluble No data available
Partition coefficient: n-oc- tanol/water Vapour pressure	:	No data available 0,55 mmHg (calculation method (principal components, highest value))
Relative density	:	No data available
Density	:	1,07 g/cm <sup>3</sup>

### 9.2 Other information

VOC : (Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control))  
35 %

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## FLOOR EXPERT PU 300W matte KOMP. B



Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

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### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

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

#### Acute toxicity

##### Product:

Acute inhalation toxicity : Acute toxicity estimate: 16,92 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

##### Components:

#### **Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked:**

Acute inhalation toxicity : Test atmosphere: vapour  
Assessment: The component/mixture is moderately toxic after short term inhalation.

#### **hexamethylene-di-isocyanate:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is highly toxic after short term inhalation.

#### **Skin corrosion/irritation**

##### Product:

Remarks : May cause skin irritation and/or dermatitis.

#### **Serious eye damage/eye irritation**

##### Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

#### **Respiratory or skin sensitisation**

##### Product:

Remarks : Causes sensitisation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

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### Components:

**Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked:**

Result : Probability or evidence of skin sensitisation in humans

### STOT - single exposure

### Components:

**Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked:**

Assessment : May cause respiratory irritation.

## 11.2 Information on other hazards

### Further information

### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

**Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked:**

### Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Endocrine disrupting properties

No data available

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

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### 12.7 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

Waste Code : 08 01 11\*, waste paint and varnish containing organic solvents or other hazardous substances

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## SECTION 14: Transport information

### 14.1 UN number or ID number

### 14.2 UN proper shipping name

### 14.3 Transport hazard class(es)

### 14.4 Packing group

### 14.5 Environmental hazards

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the	Not applicable
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according to Regulation (EC) No. 1907/2006



## FLOOR EXPERT PU 300W matte KOMP. B

Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

control of major-accident hazards involving dangerous substances.

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 35 %

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H330 : Fatal if inhaled.  
H332 : Harmful if inhaled.  
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 : May cause respiratory irritation.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Irrit. : Eye irritation  
Resp. Sens. : Respiratory sensitisation  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation  
STOT SE : Specific target organ toxicity - single exposure  
HR OEL : Croatia. Regulations on limit values for exposure to hazardous substances at work and on the biological limit values.  
HR OEL / STEL : Short term exposure limit  
HR OEL / GVI : time weighted average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO -

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## FLOOR EXPERT PU 300W matte KOMP. B



Version 1.0	Revision Date: 07.09.2021	SDS Number: MAT000437890 HR / EN	Date of last issue: - Date of first issue: 07.09.2021
----------------	------------------------------	--	--

International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 4	H332
Skin Sens. 1	H317
STOT SE 3	H335
Aquatic Chronic 3	H412

#### Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.