according to Regulation (EC) No. 1907/2006



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

1.1 Product identifier

Trade name	:	FLOOR EXPERT PU 300W matte KOMP. B
Product code	:	43789002
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 Sub- stance/Mixture	 SU19Building and construction work Professional and consumer use of coatings PC9a Coatings and paints, thinners, paint removers

Recommended restrictions	:	public use, professional use
on use		

1.3 Details of the supplier of the safety data sheet

Company	:	CHROMOS - Boje i lakovi d.d. Radnička cesta 173D 10000 Zagreb Croatia
Importer	:	HELIOS ITALIA S.r.l. via Vittorio Veneto 87 34170 Gorizia (GO) Italy
Telephone Company	:	1 241 0666
Telephone Importer		39 0481 59 43 00
Telefax Company	:	1 241 5535
Telefax Importer	:	39 0481 59 43 12
Responsible/issuing person	:	1 241 0666 productsafety@chromos.eu
Responsible/issuing person- Importer	:	39 0481 59 43 00 info@heliositalia.it

1.4 Emergency telephone number

- (CAV IRCCS Fondazione Maugeri Pavia) Centro Antiveleni di Pavia 0382 24444
- (CAV Ospedale Niguarda Ca' Granda Milano) Centro Antiveleni di Milano 02 66101029
- (CAV Ospedali Riuniti Bergamo) Centro Antiveleni di Bergamo 800 883300

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(CAV Ospedale Careggi - Firenze) Centro Antiveleni di Firenze 055 7947819

(CAV Policlinico Gemelli – Roma) Centro Antiveleni di Roma 06 3054343

(CAV Policlinico Umberto I - Roma) Centro Antiveleni di Roma 06 49978000

(CAV Ospedale Cardarelli - Napoli) Centro Antiveleni di Napoli 081 7472870

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, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

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.	

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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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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	Concentration (% w/w)
Hydrophilic aliphatic polyisocya- nate	160994-68-3	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412	>= 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; H314 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) 	< 0,1

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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.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1	Extinguishing	media
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Unsuitable extinguishing : High volume water jet media

5.2 Special hazards arising from the substance or mixture

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

• •	ve equipment and emergency procedures 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 conta	inment 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.

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	:	Keep container tightly closed in a dry and well-ventilated
areas and containers		place. Containers which are opened must be carefully re-

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			precautions. Electric	ght to prevent leakage. Observe label al installations / working materials must nological safety standards.
Furthe age st	r information on stor ability	r- :	No decomposition if	stored and applied as directed.
7.3 Specifi	c end use(s)			
Specif	ic use(s)	:	For further information sheet.	on, refer to the product technical data
			Consult the technica stance/mixture.	I guidelines for the use of this sub-

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-di- isocyanate	822-06-0	TWA	0,005 ppm	ACGIH

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
hexamethylene-di- isocyanate	822-06-0	1,6- Hexamethylene diamine: 15 μg/g	End of shift	ACGIH BEI
		creatinine (Urine)		

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

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

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			Fresh water sedir	nent	0,01334 mg/kg dry weight (d.w.)
			Sewage treatment plant 8,42 r		8,42 mg/l
			Intermittent use/re	elease	0,774 mg/l
8.2 Expos	sure controls				
Pers	onal protective equ	ipment			
Eye/f	ace protection	:	Equipment should Eye wash bottle wir Tightly fitting safety	th pure water	
Hand	protection				
R	emarks		with the producers Please observe the breakthrough time gloves. Also take in	specific workplace should be of the protective gloves. e instructions regarding pern which are provided by the s ato consideration the specifi he product is used, such as the contact time.	neability and upplier of the c local condi-
Skin	and body protection	:		g ction according to the amou Ingerous substance at the w	
Resp	iratory protection		A/P2 filter or better Self-contained ope ratus (EN 137)	n-circuit compressed air bre sol and mist formation use a	eathing appa-

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	
Flash point	: Not applicable	
Decomposition temperature	: No decomposition if stored and applied as directed	I .
рН	: No data available	
Viscosity		

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V	iscosity, kinematic	:	> 21 mm2/s (40 °C)	
Solubility(ies) Water solubility		:	insoluble	
S	solubility in other solve	ents :	No data available	
	ition coefficient: n- nol/water	:	No data available	
Vap	our pressure	:	0,55 mmHg (calcula est value))	ation method (principal components, high-
Polo	tive density		No data available	
	·	·		
Den	sity	:	1,07 g/cm3	
9.2 Othe	r information			

No data available

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
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10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Product:

according to Regulation (EC) No. 1907/2006



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Acute	inhalation toxicity	: Acute toxicity estimate: 16,92 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
<u>Com</u>	oonents:	
Hexa	ne, 1,6-diisocyana	o-, homopolymer, polyethylene glycol mono-Me ether-blocked:
Acute	inhalation toxicity	: Test atmosphere: vapour Assessment: The component/mixture is moderately toxic after short term inhalation.
hexa	methylene-di-isocy	anate:
Acute	oral toxicity	: Assessment: The component/mixture is moderately toxic after single ingestion.
Acute inhalation toxicity :		: Assessment: The component/mixture is highly toxic after sho term inhalation.
Skin	corrosion/irritation	
Prod		
Rema	arks	: May cause skin irritation and/or dermatitis.
Serio	us eye damage/ey	irritation
Prod	uct:	
Rema	arks	: Vapours may cause irritation to the eyes, respiratory system and the skin.
Resp	iratory or skin sen	itisation
Prod	uct:	
Rema	arks	: Causes sensitisation.
<u>Com</u>	oonents:	
Hexa	ne, 1,6-diisocyana	o-, homopolymer, polyethylene glycol mono-Me ether-blocked:
Resu	lt	: Probability or evidence of skin sensitisation in humans
STOT	- single exposure	
<u>Com</u>	oonents:	
Hexa	ne, 1,6-diisocvana	o-, homopolymer, polyethylene glycol mono-Me ether-blocked:

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11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks

No data available

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

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

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		levels of 0.1%	% or higher.
	ner adverse effects oduct:		
	ditional ecological infor	unprofession	ental hazard cannot be excluded in the event of al handling or disposal. quatic life with long lasting effects.

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 chemi- cal 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 hazardoussubstances

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good

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ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDG		: Not regulated as a dangerous good	
ΙΑΤΑ		: Not regulated as a dangerous good	
14.4 Packing group			
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDG		: Not regulated as a dangerous good	
ΙΑΤΑ ((Cargo)	: Not regulated as a dangerous good	
IATA ((Passenger)	: Not regulated as a dangerous good	
14.5 Enviro	onmental hazards		
Not regulated as a dangerous good			

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/ pean Parliament and of the Co control of major-accident haza dangerous substances.	ouncil on the	Not applicable
Volatile organic compounds	emissions (integrate	U of 24 November 2010 on industrial ed pollution prevention and control) npounds (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.

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H319 H330 H332 H334 H335 H412		:	ties if inhaled. May cause respirator	asthma symptoms or breathing difficul-			
Full text of other abbreviations							
Acute Tox. Aquatic Chronic Eye Irrit. Resp. Sens. Skin Irrit. Skin Sens. STOT SE ACGIH ACGIH BEI ACGIH / TWA			Acute toxicity Long-term (chronic) aquatic hazard Eye irritation Respiratory sensitisation Skin irritation Skin sensitisation Specific target organ toxicity - single exposure USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI) 8-hour, time-weighted average				

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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 - Emergencv 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 - 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; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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Furth	er information		
Class	sification of the mix	xture:	Classification procedure:
Acute Tox. 4		H332	Calculation method
Skin Sens. 1		H317	Calculation method
STOT SE 3		H335	Calculation method
Aquatic Chronic 3		H412	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.