Security data sheet



Product:	225
Manufacturer:	H.B. FULLER
Product group:	KLEBSTOFF
Article group:	1-K KLEBSTOFF
Download:	09.05.2024

KÖRAPOP® 225 1K WEISS

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Postbank Stuttgart BLZ 600 100 70 Konto 146 294 708



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

1.1 Product identii Product name	-		Körapop® 225 weiss
1.2 Relevant ident	ified uses of the	รเ	ibstance or mixture and uses advised against
Use of the Sub stance/Mixture			Adhesive, Sealant
Recommended on use	d restrictions :		For industrial use only.
1.3 Details of the s	supplier of the sa	afe	ty data sheet
Company	:		H.B. Fuller, Isar-Rakoll, S.A.
Address	:		Estrada Nacional 13 PT-4486-851 Mindelo - Vila do Conde +351 229 288 200
E-mail address responsible for			EU-MSDS@hbfuller.com
1.4 Emergency tel	ephone number		
Emergency tel	ephone number	:	In case of poisoning: GBK-EMTEL International Tel.(24h): +49(0)6132/84463 (all languages)
			In case of transport accidents: Tel.(24h): (001) 352 323 3500 (Infotrac - Contract ID: 90373 / GBK)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH210 Safety data sheet available on request.



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EUH2	I	Reaction mass of bis	s(1,2,2,6,6-pent	/l)ethylenediamine, trimethoxyvinylsilane, amethyl-4-piperidyl) sebacate and methyl abacate. May produce an allergic reaction.
EUH2		Warning! Hazardous dust.	respirable dus	t may be formed when used. Do not breathe

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

Components

Components	•		
Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17- 0000	Carc. 2; H351	>= 1 - < 10
N-(3- (trimethoxysi- lyl)propyl)ethylenediamine	1760-24-3 217-164-6 01-2119970215-39- 0000	Skin Sens. 1B; H317 STOT SE 3; H335 (Respiratory Tract) Acute Tox. 4; H332 Eye Dam. 1; H318 STOT RE 2; H373	>= 0,1 - < 1
trimethoxyvinylsilane	2768-02-7 220-449-8 014-049-00-0 01-2119513215-52- 0000	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Sens. 1B; H317 Acute toxicity esti- mate Acute inhalation tox- icity (vapour): 16,853963 mg/l	>= 0,1 - < 1
Reaction mass of bis(1,2,2,6,6- pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40- 0000	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,025 - < 0,1



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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures General advice : Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. If inhaled Remove person to fresh air. If signs/symptoms continue, get • medical attention. In case of skin contact : Treat affected skin with cotton wool or cellulose. Wash off with plenty of water. Use a mild soap if available. If skin irritation persists, call a physician. In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. If swallowed If accidentally swallowed obtain immediate medical attention. : Do NOT induce vomiting.

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

: No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Water spray Alcohol-resistant foam Dry powder Carbon dioxide (CO2)
------------------------------	---	---

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-	: May release toxic, irritating and/or corrosive gases.
fighting	In case of fire, the following substance(s) may occur:
	Nitrogen oxides



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5.3 Advice for firefighters Special protective equipment for firefighters		:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-
Further information		:	Fire residues and	e, wear self-contained breathing apparatus. contaminated fire extinguishing water must accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protecti	ve equipment and emergency procedures
Personal precautions	: Use personal protective equipment. Ensure adequate ventilation.
6.2 Environmental precautions	
Environmental precautions	 The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and material for conta	ainment and cleaning up
Methods for cleaning up	 Ensure adequate ventilation. Send for recovery or disposal in suitable containers. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of contaminated material as waste according to section.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

tion 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	
Advice on safe handling :	Avoid formation of dust and aerosols. Use only with adequate ventilation. Handle with care. Keep eye wash bottle available on working place. Avoid release to the environment. Keep away from children.
Advice on protection against : fire and explosion	In the event of fire and/or explosion do not breathe fumes. Keep breathing equipment ready. Have fire extinguishing equipment ready in case of nearby fire.



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_	itions for safe storage,		•••	
	uirements for storage s and containers	•	Keep dark, cool a	and dry. Do not freeze.
	ner information on stor- conditions	:	Keep containers ventilated place.	tightly closed in a dry, cool and well-
Stora	age class (TRGS 510)	:	13, Non Combus	tible Solids
-	i fic end use(s) cific use(s)	:	No further releva	nt information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

	1	r				
Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
di-"isononyl" phthalate (Un- branched)	28553-12-0	OELV - 8 hrs (TWA)	5 mg/m3	IE OEL		
titanium dioxide	13463-67-7	OELV - 8 hrs (TWA) (Respira- ble dust)	4 mg/m3	IE OEL		
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m3	IE OEL		
Silicon, amorphous	112945-52- 5	OELV - 8 hrs (TWA) (Respira- ble dust)	2,4 mg/m3 (Silica)	IE OEL		
	Further information: Where no specific short-term exposure limit is listed, a					
	figure three times the long-term exposure limit value should be used					
		OELV - 8 hrs (TWA) (inhalable dust)	6 mg/m3 (Silica)	IE OEL		
	Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit value should be used					

8.2 Exposure controls

Engineering measures

Please take care on national and local requirements.

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Material

: butyl-rubber



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Remarks		:	: The glove material has to be impermeable and resistant to the product/the substance/the preparation. The exact brea through time can be obtained from the protective glove producer and this has to be observed.			
Skin	Skin and body protection		Protective clothing			
Resp	Respiratory protection		No personal respiratory protective equipment normally re- quired.			
Prote	Protective measures		Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with the eyes and skin.			
Envir	Environmental exposure c		ols			

Air : Suppress (knock down) gases/vapours/mists with a water

SECTION 9: Ph	ysical and chemica	al properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	white
Odour	:	characteristic
Odour Threshold	:	is not determined
Melting point/freezing point	:	is not determined
Boiling point/boiling range	:	is not determined
Flammability	:	Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit	:	Upper flammability limit is not determined
Lower explosion limit / Lower flammability limit	:	Lower flammability limit is not determined
Flash point	:	Not applicable
Auto-ignition temperature	:	not self-igniting
Decomposition temperature	:	Not applicable
рН	:	is not determined

spray jet.



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	lity(ies) tter solubility	:	not miscible or d	ifficult to mix	
	on coefficient: n- bl/water	:	no data available		
Vapou	r pressure	: is not determined		1	
Densit	У	: 1,44 g/cm ³			
Relativ	ve vapour density	:	is not determined	1	
9.2 Other i	nformation				
Explos	sives	:	Not explosive		
Evapo	ration rate	:	is not determined	1	

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition if used according to the specifications.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Reacts with acids Reacts with strong oxidizing agents
10.4 Conditions to avoid Conditions to avoid	:	No further relevant information available.
10.5 Incompatible materials		

Materials to avoid : No further relevant information available.

10.6 Hazardous decomposition products

Contact with water (or air humidity) liberates minor quantities of: Methanol

SECTION 11: Toxicological information

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

Acute toxicity

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



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<u>Com</u>	ponents:		
N-(3-	(trimethoxysilyl)prop	yl)ethylenediamine:	
	e oral toxicity	: LD50 Oral (Rat)	: 2.995 mg/kg
trime	ethoxyvinylsilane:		
	e oral toxicity	: LD50 Oral (Rat)	: 7.120 mg/kg
Acute	e inhalation toxicity	: LC50 (Rat): 278 Exposure time: Test atmospher	4 Hours
		Test atmospher	stimate: 16,853963 mg/l e: vapour alue derived from LD50/LC50 value
Acute	e dermal toxicity	: LD50: 3.540 mg	J/kg
-	amethyl-4-piperidyl s e oral toxicity		: 3.230 mg/kg
Skin	corrosion/irritation		
Base	ed on available data, th	e classification criteria	are not met.
	ous eye damage/eye ed on available data, th	irritation e classification criteria a	are not met.
Resp	piratory or skin sensi	tisation	
-	sensitisation ed on available data, th	e classification criteria	are not met.
-	biratory sensitisation ed on available data, th	e classification criteria	are not met.
	n cell mutagenicity ed on available data, th	e classification criteria	are not met.
Carc	inogenicity	e classification criteria	
<u>Com</u>	ponents:		
titan	ium dioxide: inogenicity - Assess-	. Not close if able	as a human carcinogen

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



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STOT - single exposure

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

STOT - repeated exposure

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

Aspiration toxicity

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

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.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Product:

Mobility

: Medium: Soil Remarks: Do not allow product to reach ground water, water bodies or sewage system.

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 consid-



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			ndocrine disrupting properties according to 57(f) or Commission Delegated regulation

levels of 0.1% or higher.

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

12.7 Other adverse effects

No data available

No data avaliable		
SECTION 13: Disposal consid	dera	ations
13.1 Waste treatment methods		
Product	:	Do not dispose of with domestic refuse. Do not dispose of waste into sewer. Hand over to disposers of hazardous waste. Can be deposited with household garbage after solidification following consultation with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations. The generation of waste should be avoided or minimized wherever possible. Incinerate under controlled conditions in accordance with all local and national laws and regulations. Disposal must be made according to official regulations.
		These EU waste code numbers are recommendations for waste accruing through the use of adhesives and sealants. Any waste produced from organic solvents or other dangerous substances (according GHS) listed under section 3 of this safety datasheet is itself classified as dangerous (*).
		Waste accruing during application:08 04 09*waste adhesives and sealants containing or-ganic solvents or other dangerous substances08 04 10waste adhesives and sealants other thanthose mentioned in 08 04 09
		Waste accruing during cleaning:08 04 11*adhesive and sealant sludges containing or-ganic solvents or other dangerous substances08 04 12adhesive and sealant sludges other thanthose mentioned in 08 04 11
		Waste packaging:15 01 01paper and cardboard packaging15 01 02plastic packaging15 01 04metallic packaging15 01 10*packaging containing residues of or contaminated by dangerous substances.
Contaminated packaging	:	Disposal must be made according to official regulations.



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SECTION 14: Transport information

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental 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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Silicic acid (H4SiO4), tetraethyl es- ter, reaction products with bis(acetyloxy)dioctylstannane (Number on list 20) tetramethyl orthosilicate
REACH - Candidate List of Substances of Very High Concern for Authorisation (SVHC, Article 59)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
RoHS: 2011/65/EU, Restriction of Hazardous Substances	:	Not applicable
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import	:	Not applicable



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	of dang	erous chemicals				
	REACH (Annex	I - List of substances s XIV)	ubje	ect to authorisation	Not applicable	
Seveso III: Directive 2012/18/EU of the an Parliament and of the Council on of major-accident hazards involving c substances.		on the control	Not applicable			
	The co	mponents of this pro	duc	t are reported in t	the following inventories:	
	TCSI		:	On the inventory,	or in compliance with the inventory	
	TSCA		:	All substances list	ted as active on the TSCA inventory	
	AIIC		:	On the inventory,	or in compliance with the inventory	
	DSL		:	All components of	of this product are on the Canadian DSL	
	ENCS		:	On the inventory,	or in compliance with the inventory	
	KECI		:	On the inventory,	or in compliance with the inventory	
	PICCS		:	On the inventory,	or in compliance with the inventory	
	IECSC		:	On the inventory,	or in compliance with the inventory	
	REACH	4	:	On the inventory,	or in compliance with the inventory	
	KKDIK		:	On the inventory,	or in compliance with the inventory	

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements			

H226

: Flammable liquid and vapour.



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H317 H318 H332 H335 H35-	3 2 5 1		May cause an alle Causes serious ey Harmful if inhaled. May cause respira Suspected of caus	re damage. Itory irritation. Sing cancer.	
H36 ⁻		÷	Suspected of dam		
H373 H400 H410			May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.		
Full text of other abbreviation		ons			
Acute Tox. Aquatic Acute Aquatic Chronic Carc. Eye Dam. Flam. Liq. Repr. Skin Sens. STOT RE STOT SE IE OEL			Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Carcinogenicity Serious eye damage Flammable liquids Reproductive toxicity Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure List of Chemical Agents and Carcinogens with Occupationa Exposure Limit Values - Code of Practice, Schedule 1 and 2		
IE OEL / OELV - 8 hrs (TWA)		:		osure limit value (8-hour reference period)	

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 - 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 - 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



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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

Further information

Other information :	This safety datasheet only contains information relating to safety and does not replace any product information or prod- uct specification. Penetrometer test according to ADR 2.3.4.3 Test result: solid (penetration after 5 s < 15 mm) Burning test according to 33.2.4 "Manual of Tests and Crite- ria" (Recommendations on the TRANSPORT OF DANGEROUS GOODS [United Nations]): Burning rate: ≤ 2.2 mm/s (Not a dangerous good according to ADR class 4.1)
	Modified data compared to the previous version The following sections have been updated: - Section 3 - Section 8 - Section 11 - Section 15
Contact Point :	Prepared by: Global Regulatory Department EU-MSDS@hbfuller.com

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.

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