Security data sheet



Product:	215
Manufacturer:	H.B. FULLER
Product group:	KLEBSTOFF
Article group:	1-K KLEBSTOFF
Download:	14.05.2024

KÖRAPOP® 215 GRAU

This data sheet was provided to you by Tewipack Uhl GmbH. The company tewipack Uhl GmbH assumes no responsibility for the topicality and the Accuracy of the information contained. The properties of the products can vary due to various influences such as composition and condition of the Substrate, impurities in or on the substrate, temperature and humidity at the Change storage and environmental conditions during use. Using this product in combination with other material, the customer is responsible for to check through our own tests whether the product is suitable for the planned combination and whether this combination delivers the expected results

Tewipack Uhl GmbH Industriestraße 15 D-75382 Althengstett Telephone: E-Mail: +49(0)7051/9297-0 Website: +49(0)7051/9297-99 www.tewipack.de

Fax

info@tewipack.de

Managing director: Alexander Uhl, Michael Uhl HRB 330424 Calw Amtsgericht Stuttgart 85

Bank details: Sparkasse Pforzheim BLZ 666 500 Konto 17 787

Commerzbank Sindelfingen BLZ 603 400 71 Konto 8 001 166

Vereinigte Volksbank AG Böblingen BLZ 603 900 00 Konto 80 089 003

Postbank Stuttgart BLZ 600 100 70 Konto 146 294 708



Version	Revision Date:	SDS Number:	Date of last issue: 04.10.2022
2.0	14.09.2023	10000020631	Date of first issue: 04.10.2022

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

1.1 Product identifier Product name	:	Körapop® 215 grau
1.2 Relevant identified uses of	of the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Adhesive, Sealant
Recommended restrictions on use	s :	For industrial use only.
1.3 Details of the supplier of	the safe	ety 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 of person responsible for the SDS	:	EU-MSDS@hbfuller.com
1.4 Emergency telephone nu	mber	
Emergency telephone nun	nber :	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)

Not a hazardous substance or mixture.

Additional Labelling

EUH210 Safety data sheet available on request.



Version 2.0	Revisio 14.09.2	on Date: 2023	SDS Number: 100000020631	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
EUH2	08	piperidyl) se		Reaction mass of bis(1,2,2,6,6-pentamethyl-4- ,2,2,6,6-pentamethyl-4-piperidyl sebacate. May
EUH2	12	Warning! Ha dust.	zardous respirable d	lust may be formed when used. Do not breathe

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative tive 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

CAS-No. EC-No. Index-No.	Classification	Concentration
		(% w/w)
Index-INO.		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Registration number		
90622-57-4	Flam. Lig. 3; H226	>= 10 - < 20
292-459-0		
01-2119472146-39-		
0000	H413	
13463-67-7	Carc. 2; H351	>= 1 - < 10
236-675-5		
01-2119489379-17-		
0000		
2768-02-7	Flam. Liq. 3; H226	>= 0,1 - < 1
220-449-8		
	Skin Sens. 1B; H317	
0000	-	
	mate	
	16,853963 mg/l	
1065336-01-5	Skin Sone 11. H217	>= 0,025 - <
		0,1
		0,1
0000		
	90622-57-4 292-459-0 01-2119472146-39- 0000 13463-67-7 236-675-5 01-2119489379-17- 0000 2768-02-7	90622-57-4 Flam. Liq. 3; H226 292-459-0 Asp. Tox. 1; H304 01-2119472146-39- Aquatic Chronic 4; H413 13463-67-7 Carc. 2; H351 236-675-5 Carc. 2; H351 0000 Flam. Liq. 3; H226 2768-02-7 Flam. Liq. 3; H226 220-449-8 Acute Tox. 4; H332 014-049-00-0 Skin Sens. 1B; H317 01-2119513215-52- Acute toxicity estimate 0000 Acute inhalation tox-icity (vapour): 16,853963 mg/l Skin Sens. 1A; H317 1065336-91-5 Skin Sens. 1A; H317 01-2119491304-40- Aquatic Acute 1;

For explanation of abbreviations see section 16.



	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
--	---

SECTION 4: First aid measures

4.1 Description of first aid measures				
General advice	ymptoms of	ety data sheet to the doctor in attendance. poisoning may even occur after several hours; ical observation for at least 48 hours after the		
If inhaled	emove perso nedical attent	on to fresh air. If signs/symptoms continue, get ion.		
In case of skin contact	lash off with so	skin with cotton wool or cellulose. plenty of water. ap if available. n persists, call a physician.		
In case of eye contact		th water at least 15 minutes. Get medical atten- ation develops or persists.		
If swallowed	accidentally to NOT induc	swallowed obtain immediate medical attention. e 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- fighting	:	May release toxic, irritating and/or corrosive gases. In case of fire, the following substance(s) may occur:
		Nitrogen oxides

5.3 Advice for firefighters

Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if nec-
for firefighters		essary.



Version	Revision Date: 14.09.2023	SDS Number:	Date of last issue: 04.10.2022
2.0		100000020631	Date of first issue: 04.10.2022
Furthe	er information	Fire residues a	fire, wear self-contained breathing apparatus. nd contaminated fire extinguishing water must in accordance with local regulations.

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	:	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 containment 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 sec- tion 13.
-------------------------	---	---

6.4 Reference to other sections

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

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	:	Keep dark, cool and dry. Do not freeze.
areas and containers		



Version 2.0	Revision Date: 14.09.2023	SDS Nu 1000000		Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
	er information on stor- onditions		o containers ti lated place.	ghtly closed in a dry, cool and well-
Stora	ge class (TRGS 510)	: 13, N	Ion Combusti	ble Solids
-	f ic end use(s) ific use(s)	: No fu	urther relevan	t information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
limestone	1317-65-3	OELV - 8 hrs (TWA) (Respira- ble dust)	4 mg/m3	IE OEL
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m3	IE OEL
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

8.2 Exposure controls

Engineering measures

Please take care on national and local requirements.

Personal protective equipme Eye protection	ent :	
Hand protection Material	:	butyl-rubber
Remarks	:	The glove material has to be impermeable and resistant to the product/the substance/the preparation. The exact break through time can be obtained from the protective glove pro- ducer and this has to be observed.
Skin and body protection	:	Protective clothing



Version 2.0	Revision Date: 14.09.2023	SDS Number: 100000020631	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
Res	piratory protection	measures (e) assessment o mended expo	ry protection unless adequate risk management haust/ ventilation) are provided or exposure demonstrates that exposures are within recom- sure guidelines. th a vapour filter (EN 141)
Prot	ective measures	Wash hands the product.	om food, drink and animal feedingstuffs. before breaks and immediately after handling with the eyes and skin.
Env	ironmental exposure co	ontrols	
Air		: Suppress (kn spray jet.	ock down) gases/vapours/mists with a water

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	light grey
Odour	:	hydrocarbon-like
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
Solubility(ies) Water solubility	:	not miscible or difficult to mix



Versior 2.0	n Revision Date: 14.09.2023		Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
	ntition coefficient: n- tanol/water	: no data available	
Va	pour pressure	: is not determined	
De	ensity	: 1,38 g/cm ³ (20 °C)	
Re	elative vapour density	: is not determined	
9.2 Oth	er information		
Ex	plosives	: Product is not expl vapour/air mixture	losive. However, formation of explosive s is possible.
Ev	aporation rate	: is not determined	

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 read	tio	ns	
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 pr	od	ucts	
Contact with water (or air humic Methanol	dity) liberates minor quantities of:	
SECTION 11: Toxicological info	orn	nation	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008			

Acute toxicity

Components:

trimethoxyvinylsilane:

Acute oral toxicity : LD50 Oral (Rat): 7.120 mg/kg



Version 2.0	Revision Date: 14.09.2023		DS Number: 00000020631	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022		
Acute	Acute inhalation toxicity		EXPOSURE LC50 (Rat): 2780 ppm Exposure time: 4 Hours Test atmosphere: vapour			
			Acute toxicity estimate: 16,853963 mg/l Test atmosphere: vapour Method: ATE value derived from LD50/LC50 value			
Acute	e dermal toxicity	:	LD50: 3.540 mg/l	kg		
	tion mass of bis(1,2,2 amethyl-4-piperidyl se			peridyl) sebacate and methyl 1,2,2,6,6-		
Acute	e oral toxicity	:	LD50 Oral (Rat):	3.230 mg/kg		
Carc	inogenicity					
<u>Com</u>	ponents:					
	i um dioxide: inogenicity - Assess-	:	Not classifiable a	s a human carcinogen		
11.2 Infor	mation on other haza	rds				
Endo	ocrine disrupting prop	ertie	S			
<u>Prod</u> Asse	<u>uct:</u> ssment	:	ered to have end REACH Article 5	ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher.		
SECTIOI	N 12: Ecological info	orma	ation			

Components:

alkanes, C9-12-iso-:

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 2.600 mg/l Exposure time: 96 Hours Test Type: static test

12.2 Persistence and degradability

No data available



Version	Revision Date:	SDS Number:	Date of last issue: 04.10.2022
2.0	14.09.2023	10000020631	Date of first issue: 04.10.2022

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 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.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

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



Version 2.0	Revision Date: 14.09.2023	SDS Number: 100000020631	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
			according GHS) listed under section 3 of this eet is itself classified as dangerous (*).
		08 04 09* ganic solvent 08 04 10	ing during application: waste adhesives and sealants containing or- s or other dangerous substances waste adhesives and sealants other than ned in 08 04 09
		08 04 11* ganic solvent 08 04 12	s or other dangerous substances
		Waste packa 15 01 01 15 01 02 15 01 04 15 01 10* nated by dang	paper and cardboard packaging plastic packaging metallic packaging
Conta	aminated packaging	: Disposal mus	t be made according to official regulations.

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.



Version	Revision Date:	SDS Number:	Date of last issue: 04.10.2022
2.0	14.09.2023	10000020631	Date of first issue: 04.10.2022

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legisl	ation specific for the substance or mix-
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) methanol (Number on list 69) 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	c- : Not applicable
Council Regulation (EC) No 111/2005 laying down rule for the monitoring of trade between the Community and third countries in drug precursors	
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and impor of dangerous chemicals	: Not applicable t
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Seveso III: Directive 2012/18/EU of the Europe- an Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
emissions (integrate	U of 24 November 2010 on industrial of pollution prevention and control) apounds (VOC) content: 10,01 %, 138,2 g/l
The components of this product are reported in the TSCA : All substances listed	e following inventories: I as active on the TSCA inventory



Version 2.0	Revision Date: 14.09.2023		DS Number: 00000020631	Date of last issue: 04.10.2022 Date of first issue: 04.10.2022
DSL		:	All components o	f this product are on the Canadian DSL
KECI		:	On the inventory, or in compliance with the inventory	
REAC	Н	:	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 H304 H317 H332 H351 H361f H400 H410 H413	:	Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Harmful if inhaled. Suspected of causing cancer. Suspected of damaging fertility. Very toxic to aquatic life. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life.
Full text of other abbreviation	ns	
Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Carc.	:	Carcinogenicity
Flam. Liq.	:	
Repr.	:	Reproductive toxicity
Skin Sens.	:	Skin sensitisation
IE OEL	:	List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2
IE OEL / OELV - 8 hrs (TWA)	:	Occupational exposure 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 La-



Version	Revision Date:	SDS Number:	Date of last issue: 04.10.2022
2.0	14.09.2023	10000020631	Date of first issue: 04.10.2022

boratory 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

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 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

:



Version	Revision Date: 14.09.2023	SDS Number:	Date of last issue: 04.10.2022
2.0		100000020631	Date of first issue: 04.10.2022

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.

IE / EN