Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.12.2023 *Version number 102.02 (replaces version 102.01)* *Revision: 22.12.2022*

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

- ***1.1 Product identifier***
- ***Trade name KAPPASORB 230***
- ***Article number:*** *1003097941026*
- ***CAS Number:***
9003-04-7
- ***EINECS Number:***
Polymer
- ***1.2 Relevant identified uses of the substance or mixture and uses advised against***
No further relevant information available.
- ***Application of the substance / the mixture*** *according to product labelling*
- ***1.3 Details of the supplier of the safety data sheet***
- ***Manufacturer/Supplier:***
Lucas Teufel
Lauterstraße 9
D-96486 Lautertal
Tel. +49 (0)9561 675 667 9 *lucas@coalblack.supply*
www.coalblack.supply
- ***Informing department:*** *Department Safety and Environment Tel. +49 6772/9311-200; -810; 870*
- ***1.4 Emergency telephone number:***
This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.
Counselling Centre for Poisoning, Mainz
Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

- ***2.1 Classification of the substance or mixture***
- ***Classification according to Regulation (EC) No 1272/2008***
The substance is not classified, according to the CLP regulation.

- ***2.2 Label elements***
- ***Labelling according to Regulation (EC) No 1272/2008*** *Void*
- ***Hazard pictograms*** *Void*
- ***Signal word*** *Void*
- ***Hazard statements*** *Void*
- ***Additional information:***
- Store in dry place -
Keep protected from heat and direct sunlight.
- ***2.3 Other hazards***
- ***Results of PBT and vPvB assessment***
- ***PBT:*** *Not applicable.*
- ***vPvB:*** *Not applicable.*
- ***Determination of endocrine-disrupting properties*** *Not applicable.*

SECTION 3: Composition/information on ingredients

- ***3.1 Substances***
- ***CAS No. Designation:***
9003-04-7 Natriumpolyacrylat, quervernetzt

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 1)

- ***Identification no(s):***
- ***EC number:*** *Polymer*

SECTION 4: First aid measures

- ***4.1 Description of first aid measures***
- ***General advice:*** *Change contaminated clothing.*
- ***After inhalation***
Supply fresh air; consult doctor in case of symptoms.
In case of unconsciousness bring patient into stable side position for transport.
- ***After skin contact***
Wash off with water and soap.
Change with product contaminated clothing.
- ***After eye contact***
Remove contact lenses.
Rinse opened eye for 15 minutes under running water.
In case of persistent symptoms consult doctor.
- ***After swallowing***
Only if patient in full consciousness: Rinse mouth with plenty of water.
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.
- ***4.2 Most important symptoms and effects, both acute and delayed***
No further relevant information available.
- ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

SECTION 5: Firefighting measures

- ***5.1 Extinguishing media***
- ***Suitable extinguishing agents***
Water spray jet
Carbon dioxide
Foam
Dry fire-extinguishing substance.
- ***For safety reasons unsuitable extinguishing agents*** *Water with a full water jet.*
- ***5.2 Special hazards arising from the substance or mixture***
Clouds of fine product dust together with air may lead to an explosive compound.
Can be released in case of fire:
carbon monoxide (CO)
carbon dioxide (CO2)
- ***5.3 Advice for firefighters***
- ***Protective equipment:*** *Wear self-contained breathing apparatus.*

SECTION 6: Accidental release measures

- ***6.1 Personal precautions, protective equipment and emergency procedures***
Product forms slippery surface when combined with water.
- ***6.2 Environmental precautions:***
Mechanisch aufnehmen. Kleine Reste mit reichlich Wasser in das Kanalsystem und der biologischen Abwasseraufbereitung zuführen.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 2)

- **6.3 Methods and material for containment and cleaning up:**
Take up mechanically and rinse off residues with water. Avoid formation of dust. Take up in suitable containers and send for recovery or disposal according to item 13.
- **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** The usual good standards of industrial hygiene should be maintained.
- **Information about protection against explosions and fires:**
Avoid formation and accumulation of dust - Risk of dust explosion
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:** Keep container tightly closed and dry.
- **Further information about storage conditions:** Store under dry conditions.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Wash hands during breaks and at the end of the work.
- **Hand protection**
protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses
- **Body protection:** Standard protective working clothes

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SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**

- **Physical state**	Solid.
- **Colour:**	White
- **Smell:**	Odourless

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 3)

- **Odour threshold:**	Not determined.
- **Melting point/freezing point:**	Not determined
- **Boiling point or initial boiling point and boiling range**	Not determined
- **Flammability**	Product is not inflammable.
- **Lower and upper explosion limit**	
- **Lower:**	Not determined.
- **Upper:**	Not determined.
- **Flash point:**	Not determined
- **Decomposition temperature:**	Not determined.
- **pH**	~6 (0,1%) (in 0,9%iger NaCl) not applicable
- **pH-value:**	
- **Viscosity:**	
- **Kinematic viscosity**	Not applicable.
- **dynamic:**	Not applicable.
- **Solubility**	
- **Water:**	almost unsoluble
- **Partition coefficient n-octanol/water (log value)**	Not determined.
- **Vapour pressure at 20 °C:**	<10 hPa
- **Density and/or relative density**	
- **Density at 20 °C**	~0,7 g/cm³
- **Relative density**	Not determined.
- **Settled apparent density**	400-800 kg/m³
- **Vapour density**	Not applicable.
- **Particle characteristics**	
See section 3.	

- **9.2 Other information**	
- **Appearance:**	
- **Form:**	Powder
- **Important information on protection of health and environment, and on safety.**	
- **Self-inflammability:**	Not determined.
- **Explosive properties:**	Product is not potentially explosive Dust explosions are generally possible with organic solids.
- **Evaporation rate**	Not applicable.

- **Information with regard to physical hazard classes**	
- **Explosives**	Void
- **Flammable gases**	Void
- **Aerosols**	Void
- **Oxidising gases**	Void
- **Gases under pressure**	Void
- **Flammable liquids**	Void
- **Flammable solids**	Void
- **Self-reactive substances and mixtures**	Void
- **Pyrophoric liquids**	Void
- **Pyrophoric solids**	Void
- **Self-heating substances and mixtures**	Void
- **Substances and mixtures, which emit flammable gases in contact with water**	Void

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 4)

- **Oxidising liquids**	Void
- **Oxidising solids**	Void
- **Organic peroxides**	Void
- **Corrosive to metals**	Void
- **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Decomposition starts at: 200 °C
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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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.
- **LD/LC50 values that are relevant for classification:**
LD50 (oral, rat) > 5000 mg/kg
LD50 (rat) > 2000 mg/kg

Oral	LD50	>5.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Very low irritation of the eyes.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **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 hazard** Based on available data, the classification criteria are not met.
- **Repeated dose toxicity:**
Eine chronische (2-Jahre) Lebenszeit-Inhalationsstudie an Ratten, durchgeführt mit mikronisiertem Staub eines superabsorbierenden Polymers (um vollständig einatembare Teilchen zu erhalten) führte zu einer unspezifischen entzündlichen Reaktion in den Lungen. Die bei den höchsten chronisch verabreichten Konzentration in einigen Tieren Tumorbildung nach sich zog. (Siehe Arbeitsplatzüberwachung/ Schutzausrüstung Abschnitt 8). Ohne chronische Entzündung sind Tumore nicht zu erwarten. Die Studie ergab einen definierten NOEL von 0,05 mg/cbm mikronisiertem Staub superabsorbierenden Polymers.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 5)

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SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**	
LC 50 / 96 h	>5.500 mg/l (Leuciscus idus) (OECD TG 203)
	>4.000 mg/l (Danio rerio) (OECD TG 203)
EC 50 / 48 h	175 mg/l (Daphnia)
EC 50 / 96 h	250 mg/l (Danio rerio)
EC 50 / 24 h	>6.000 mg/l (Pseudomonas putida) (DEV L8)
EC 50	>6.000 mg/l (Tetrahymen pyriformis) (Erlanger Ciliatentest (Prof. Gräf))

- **12.2 Persistence and degradability**
Biological degradability:

Biodegradability	~0 % (OECD 302 B)

Methode: OECD 302 B
praktisch kein Abbau
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Ecotoxical effects:**
Bakterientoxizität : Ps. putida EC50 > 6000 mg/l Expositionszeit: 24,00 h Methode: DEV L 8

Fischtoxizität : Leuciscus idus LC50 > 5500 mg/l Expositionszeit: 96,00 h Methode: OECD 203

Fischtoxizität : Danio rerio LC50 > 4000 mg/l Expositionszeit: 96,00 h Methode: OECD 203
- **Behaviour in sewage processing plants:**
The product is easily eliminated due to its insolubility in wastewater treatment plants.
Das Produkt ist wegen seiner Unlöslichkeit in Kläranlagen gut eliminierbar.
- **Other information:**
The tests listed in fields 11 and 12 were carried out on a comparable product (except for a 2-year study).
Die in Feld 11 bzw.12 aufgeführten Untersuchungen wurden an einem vergleichbaren Produkt durchgeführt (2-Jahresstudie ausgenommen).
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Dispose of in accordance with local, official regulations, e.g. in a suitable incinerator.
- **Waste disposal key number:**
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- **Uncleaned packagings:** Disposal must be made according to official regulations.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 6)

- **Recommendation:**
Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.
Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- **14.1 UN number or ID number**	
- **ADR/RID/ADN, IMDG, IATA**	Void
- **14.2 UN proper shipping name**	
- **ADR/RID/ADN, IMDG, IATA**	Void
- **14.3 Transport hazard class(es)**	
- **ADR/RID/ADN, IMDG, IATA**	
- **Class**	Void
- **14.4 Packing group**	
- **ADR/RID/ADN, IMDG, IATA**	Void
- **14.5 Environmental hazards:**	Not applicable.
- **Marine pollutant:**	No
- **14.6 Special precautions for user**	Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
- **Transport/Additional information:**	Not dangerous according to the above specifications.
- **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
Substance is not listed.
- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

(Contd. of page 7)

- ***Other regulations, limitations and prohibitive regulations***
- ***Substances of very high concern (SVHC) according to REACH, Article 57*** *Substance is not listed.*
- ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- ***Department issuing data specification sheet:*** *See section 1.3: Responding area*
- ***Contact:*** *su@kapp-chemie.com*
- ***Date of previous version:*** *22.12.2022*
- ***Version number of previous version:*** *102.01*
- ***Abbreviations and acronyms:***

RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

- **** Data compared to the previous version altered.***