

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

Printing Date: EN – 26.01.2023

Revision / Date: v2.1 – 26.01.2023

SECTION 1:
Identification of the Substance / Mixture and of the Company / Undertaking

1.1 Product identifier

Trade name: **DEK PRO**

UFI: 7200-U0CW-500J-QNYV

Product Specification Number + Product Code:

Refers to DEK Brand Consumables:
Part No.: 173483 / 03129706-01 (1 Litre)
Part No.: 173485 / 03129708-01 (5 Litres)
Part No.: 431093 / 03130223-01 (20 Litres)

Safety Data Sheet Number: **ASM TSDS 005 v2.1 EN**

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: Cleaning Agent / Cleaner

1.3 Details of the supplier of the Safety Data Sheet Manufacturer / Supplier:

ASMPT GmbH & Co. KG
Rupert-Mayer-Strasse 48
81379 Munich, Germany
Web: <https://psp.smt.asmpt.com/en/>
Mail: gsc.printing@asm-smt.com

Informing department:

Phone: +44 1305 208661

1.4 Emergency telephone number:

Phone: +49 (0) 841 63523

Bürozeiten / Office hours: 09:00-15:00 CET Monday to Friday

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

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2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulations.

Hazard pictograms

GHS07

Signal word: Warning**Hazard-determining components of labelling:** 1-butoxypropan-2-ol**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation

Precautionary statements

P280 Wear protective gloves / eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of water.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable**SECTION 3: Composition / Information of Ingredients****3.2 Chemical characterisation:** Mixtures**Description:** Mixture of the substances with non-hazardous additions.

Dangerous components:			
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-X		1-butoxypropan-2-ol Skin Irrit. 2 H315 Eye Irrit. 2, H319	>50%

SVHC: None**Additional information:** For the wording of the listed hazard phrases refer to Section 16.

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SECTION 4: First Aid Measures**4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air. Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing:

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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

No further relevant information

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 haze,

Carbon dioxide,

Fire-extinguishing powder,

Alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

The usual precautionary measures are to be adhered to when handling chemicals

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well-sealed receptacles.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers.

7.3 Specific end use(s):

 No further relevant information available.

SECTION 8: Exposure Controls / Personal Protection

Additional information about design of technical facilities: No further data; see Section 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
5131-66-8 1-butoxypropan-2-ol		
Oral	DNEL system. effects (long-term)	8.75 mg/kg KG/Tag (Consumer)
Dermal	DNEL system. effects (long-term)	16.0 mg/kg KG/Tag (Consumer)
		44.0 mg/kg KG/Tag (Worker)
Inhalative	DNEL system. Effects (long-term)	33.8 mg/m ³ KG/Tag (Consumer)
		270.5 mg/m ³ KG/Tag (Worker)
PNECs		
5131-66-8 1-butoxypropan-2-ol		
PNEC aqua (marine water)		0.0525 mg/l
PNEC (STP)		10 mg/l
PNEC sediment (freshwater)		0.0525 mg/l

Additional information: The lists valid during the making were used as a basis.

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8.2 Exposure controls**Appropriate engineering controls:** No further data; see item 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals. Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Respiratory protection: Not necessary if room is well-ventilated.**Hands Protection:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time is determined by the manufacture of the protective gloves and must be observed.

Eye protection: Safety glasses recommended if possibility of liquid splashes exists.**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

General Information	
Physical state:	Fluid
Colour:	Colourless
Odour:	Specific Type
Odour threshold:	Not determined
Melting point/freezing point:	< - 20 °C
Boiling point or initial boiling point and boiling range	100 - 171 °C
Flammability:	Not applicable
Lower and upper explosion limit	Not determined
Flash point:	67 °C
Auto-ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined
pH Viscosity	Neutral
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility water:	Partly miscible
Partition coefficient n-octanol/water (log value):	
Vapour pressure at 20 °C:	3 hPa
Density and/or relative density	
Density at 20 °C:	0.89 +/- 0.02 g/cm ³ (DIN 51757)
Relative density:	Not determined
Vapour density:	Not determined

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9.2 Other information

Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety	
Ignition temperature:	Not determined
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate:	Not determined,
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	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
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

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SECTION 10: Stability and Reactivity

10.1 Reactivity No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

Store in a cool place. Heat will increase pressure and may lead to receptacle bursting.

10.3 Possibility of hazardous reactions: No dangerous reactions known.**10.4 Conditions to avoid:** No further relevant information available.**10.5 Incompatible materials:** Store away from oxidising agents.**10.6 Hazardous decomposition products:**

None in case of intended use and storage in compliance with instructions.

Additional information: Can be distilled without decomposing at normal pressure.

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:		
5131-66-8 1-butoxypropan-2-ol		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)

Skin corrosion/irritation:

Repeated exposure may cause skin dryness or cracking.

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

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.

11.2 Information on hazard classes**Endocrine disrupting properties:**

None of the ingredients is listed.

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SECTION 12: Ecological Information

12.1 Toxicity

Aquatic toxicity:	
5131-66-8 1-butoxypropan-2-ol	
LD50 / 96h (static)	> 560 - 1000 mg/l (Poecilia reticulata)
EC50 / 48h (static)	> 1000 mg/l (daphnia magna)
EC50 / 96h (static)	> 1000 mg/l (selenastrum capricornutum)

12.2 Persistence and degradability: No further relevant information available.

12.3 Bio-accumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

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

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Recommendation: Disposal must be made according to official regulations.

Uncleaned packaging(s):

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: Transport Information

14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	None.
Marine pollutant:	No
14.6 Special precautions for user:	None
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

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SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

Directive 2012 / 18 / EU**Named dangerous substances – ANNEX I:** None of the ingredients is listed.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other Information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes serious skin irritation.

H319 Causes serious eye irritation.

Abbreviations and Acronyms:

ADR: Accord européen sur le transport 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 Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration (acute toxicity), 50 percent maximal
EC50: Effective concentration (harmful effects), 50 percent maximal
PBT: Persistent, Bio-accumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bio-accumulative
Skin Irrit. 2:: Skin corrosion / irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
WEL: Workplace Exposure Limits –based on data as defined within Great Britain (GB) only

Revision History:

v 1.0 Converted to SDS template – February 2018
v 2.0 Updated to new SDS template – April 2022
v 2.1 Updated company name – Section 1.3 – Jan 2023
 Updated company branding – Jan 2023