

Trade Name: DEK Pro – 1lt
Part Number: 173483
Issue Number: 001 Date: 12.2015



Safety data sheet

ACC. TO OSHA HCS

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

Product identifier

Trade name: DEK Pro

Relevant identified uses of the substance or mixture and uses advised against

Void

Application of the substance/the mixture

Cleaning agent / Cleaner



Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ASM Assembly Systems Switzerland GmbH

Hardturmstrasse 105

CH - 8005 Zürich, Switzerland
80 22

Tel. +41 44274 80 20 Fax +41 44274

www.

dek.com

reach@asmpt.com

Further information obtainable from: Tel +41 44 274 80 20 Fax +41 44 274 8022

Emergency telephone number: Tel +41 44 274 80 20 Fax +41 44 274 8022

2 Hazard(s) identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008




Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit.2

H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

 Xi; Irritant

R36/38: Irritating to eyes and skin.

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of international guidelines.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS07

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Signal word	Warning
Hazard statements	H315 Causes skin irritation. 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.
Classification system:	
NFPA ratings (scale 0 - 4)	Health = 1 Fire = 2 Reactivity = 0
HMIS-ratings (scale 0 - 4)	Health = 1 Fire = 2 Reactivity = 0
Other hazards	
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.

3 Composition/information on ingredients

Mixtures

Description: Mixture of the substances with nonhazardous additions.

Dangerous components:

CAS:	5131-66-8	3-butoxypropan-2-ol	>50%
Reg.nr.:	01-2119475527-28-0000	 Xi R36/38	
		 Skin Irrit. 2, H315; Eye Irrit. 2, H319	

SVHC None

4 First-aid measures

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 a doctor.

After swallowing:

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

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

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

Special hazards arising from the substance or mixture

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

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Ensure adequate ventilation

Environmental precautions:

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

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.

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.

7 Handling and storage

Precautions for safe handling	The usual precautionary measures for handling chemicals should be followed.
Information about protection against explosions and fires:	Cool endangered receptacles with water spray. Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
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. Provide floor trough without outlet.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep receptacle tightly sealed.
Specific end use(s)	No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems:	No further data; see item 7.
Control parameters	
Components 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.
Additional information:	The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Ensure good ventilation/exhaustion at the workplace.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment:

Not necessary if room is well-ventilated.

Protection of hands:

Protective gloves
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 can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Color: Colorless

Odor: Specific type

Odour threshold: Not determined

pH-value: Neutral

Change in condition

Melting point/Melting range: < - 20 °C

Boiling point/Boiling range: 100 - 171 °C (212 - 340 °F)

Flash point: 67 °C (153 °F)

Ignition temperature: Not determined

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure at 20 °C (68 °F): 3 hPa (2 mm Hg)

Density at 20 °C (68 °F): 0.89 +/- 0.02 g/cm³ (7.427 +/- 0.167 lbs/gal)

Solubility in / Miscibility with Water: Partly miscible.

Viscosity:

Dynamic: Not determined

Kinematic: Not determined

Other information

No further relevant information available.

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10 Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	
Thermal decomposition / conditions to be avoided:	Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials:	Store away from oxidizing agents.
Hazardous decomposition products:	No decomposition if used and stored according to specifications.
Additional information:	Can be distilled without decomposing at normal pressure.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

5131-66-8 3-butoxypropan-2-ol

Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)

Primary irritant effect:

on the skin:

Repeated exposure may cause skin dryness or cracking.

Irritant to skin and mucous membranes.

on the eye:

Irritating effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:

5131-66-8 3-butoxypropan-2-ol

EC50/48h	(static)	> 1000 mg/l (daphnia magna)
EC50/96h	(static)	> 1000 mg/l (selenastrum capricornutum)
LC50/96h	(static)	> 560 - 1000 mg/l (Poecilia reticulata)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (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.

Results of PBT and vPvB assessment **PBT:** Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Disposal must be made according to official regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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

14 Transport information

UN-Number	
DOT	NA1993
ADR, ADN, IMDG, IATA	Void
UN proper shipping name	
ADR	Void
ADN, IMDG, IATA	Void
Transport hazard class(es)	
DOT	
Class	3 Combustible liquids
ADR, ADN, IMDG, IATA	
Class	Void
Packing group	
DOT	III
ADR, IMDG, IATA	Void
Environmental hazards:	None
Marine pollutant:	No
Special precautions for user	None
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-

15 Regulatory information

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

No further relevant information available.

Sara

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Chemical safety assessment:

A Chemical Safety Assessment has been carried out.

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.

Abbreviations and acronyms:

Skin Irrit.	2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit.	2: Serious eye damage/eye irritation, Hazard Category 2

* Data compared to the previous version altered.