

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

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

#### 1.1 Product identifier

Trade name : DISKO Synthetics Cleaner with antistatic agent -  
Art. No.. 1660, 1660/1

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

Use of the Sub- : Cleaner (plastic) for professional application in industry and  
stance/Mixture trade

#### 1.3 Details of the supplier of the safety data sheet

Company : DISKO EDV-Reinigungsprodukte GmbH  
Resselgasse 1  
A - 2201 Gerasdorf bei Wien

Telephone : +43 1 734 35 96  
Telefax : +43 1 734 35 96 15

E-mail address : info@disko.com

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.

##### Classification (67/548/EEC, 1999/45/EC)

Flammable	R10: Flammable.
Sensitising	R43: May cause sensitisation by skin contact.
Irritant	R36: Irritating to eyes.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H226  
H317  
H318

Flammable liquid and vapour.  
May cause an allergic skin reaction.  
Causes serious eye damage.

Precautionary statements :

**Prevention:**

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P305 + P351 + P338

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

P310

Immediately call a POISON CENTER or doctor/ physician.

P362 + P364

Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

- 68411-31-4 Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine
- 8028-48-6 Orange, sweet, ext.

### Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Irritant

R-phrase(s) :

R10  
R36  
R43

Flammable.  
Irritating to eyes.  
May cause sensitisation by skin contact.

S-phrase(s) :

S24  
S26

Avoid contact with skin.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

S37

Wear suitable gloves.

S60

This material and its container must be disposed of as hazardous waste.

Hazardous components which must be listed on the label:

- 8028-48-6 Orange, sweet, ext.

### 2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical nature : Mixture of organic solvents.

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Ethanol	64-17-5 200-578-6	F; R11	Flam. Liq. 2; H225  Eye Irrit. 2; H319	>= 3 - < 10
Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethano- lamine	68411-31-4 270-116-6	Xi; R38-R41	Skin Irrit. 2; H315  Eye Dam. 1; H318	>= 1 - < 2.5
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25	F; R11  Xi; R36  R67	Flam. Liq. 2; H225  Eye Irrit. 2; H319  STOT SE 3; H336	>= 1 - < 2.5

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5 203-961-6 01-2119475104-44	Xi; R36	Eye Irrit. 2; H319	>= 1 - < 2.5
3-Butoxypropan-2-ol, propylene glycol monobutyl ether	5131-66-8 225-878-4 01-2119475527-28	Xi; R36/38	Eye Irrit. 2; H319  Skin Irrit. 2; H315	>= 1 - < 2.5
1-Propoxypropan-2-ol	1569-01-3 216-372-4 01-2119474443-37	R10	Flam. Liq. 3; H226  Eye Irrit. 2; H319	>= 1 - < 2.5
Orange, sweet, ext.	8028-48-6 232-433-8 01-2119493353-35	R10  Xn; R65  R43  Xi; R38  N; R51/53	Flam. Liq. 3; H226  Skin Irrit. 2; H315  Skin Sens. 1; H317  Asp. Tox. 1; H304  Aquatic Chronic 2; H411	>= 1 - < 2.5
Butyl glycollate	7397-62-8 230-991-7 01-2119514685-36	Xi; R41  Repr. Cat. 3; R63	Eye Dam. 1; H318  Repr. 2; H361d	>= 1 - < 2.5

### Substances with a workplace exposure limit :

2-(3-Methoxypropoxy)propan-1-ol	34590-94-8 252-104-2 01-2119450011-60		Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.	>= 2.5 - < 10
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

For the full text of the R-phrases mentioned in this Section, see Section 16.  
For the full text of the H-Statements mentioned in this Section, see Section 16.  
For the full text of the Notas mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : Provide fresh air.  
Keep patient warm and at rest.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
After contact with skin, wash immediately with plenty of soap and water.
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Seek medical advice.
- If swallowed : Call a physician immediately.  
Keep at rest.  
Do NOT induce vomiting.

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

- Symptoms : Erythema

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.  
For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water spray jet

- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire- : Hazardous decomposition products formed under fire condi-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

fighting  
tions.  
Carbon monoxide  
Nitrogen oxides (NOx)

### 5.3 Advice for firefighters

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

Further information : Use water spray to cool unopened containers.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Do not breathe vapours, aerosols.  
Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Do not empty into drains.  
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See chapter 8 and 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Keep away from open flames, hot surfaces and sources of ignition.  
Take precautionary measures against static discharges.  
Avoid contact with skin and eyes.  
Do not breathe vapours or spray mist.  
When using do not eat, drink or smoke.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

For personal protection see section 8.

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Follow the water regulations.  
Keep only in the original container in a cool, well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place.  
Keep away from heat.  
Keep away from sources of ignition - No smoking.  
Keep at temperatures between - 7°C and 40°C.

Advice on common storage : Incompatible with oxidizing agents.

### 7.3 Specific end use(s)

Specific use(s) : Cleaner (plastic) for professional application in industry and trade

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	2009-12-19	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skin Indicative			
	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	2005-04-06	GB EH40
Further information	:	Sk: Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
Ethanol	64-17-5	TWA	1,000 ppm	2005-04-06	GB EH40

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

			1,920 mg/m3		
Further information	:	2: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
Propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m3	2006-09-01	GB EH40
	67-63-0	STEL	500 ppm 1,250 mg/m3	2006-09-01	GB EH40
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm 67.5 mg/m3	2009-12-19	2006/15/EC
Further information	:	Indicative			
	112-34-5	STEL	15 ppm 101.2 mg/m3	2009-12-19	2006/15/EC
Further information	:	Indicative			
	112-34-5	TWA	10 ppm 67.5 mg/m3	2007-08-01	GB EH40
	112-34-5	STEL	15 ppm 101.2 mg/m3	2007-08-01	GB EH40

### DNEL/DMEL

Ethanol

: End Use: DNEL, Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 950 mg/m3

Propan-2-ol

: End Use: DNEL, Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 888 mg/kg bw/d



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

	<p>End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 500 mg/m<sup>3</sup></p>
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	<p>: End Use: DNEL, Industrial use, Workers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 14 ppm</p> <p>End Use: DNEL, Industrial use, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 10 ppm</p> <p>End Use: DNEL, Industrial use, Workers Exposure routes: Inhalation Potential health effects: Acute effects, Long-term exposure Value: 10 ppm</p> <p>End Use: DNEL, Industrial use, Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 20 mg/kg</p> <p>End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 67.5 mg/m<sup>3</sup></p> <p>End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 67.5 mg/m<sup>3</sup></p>
3-Butoxypropan-2- ol,propylene glycol mono- butyl ether	<p>: End Use: DNEL, Industrial use, Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 44 mg/kg bw/d</p> <p>End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 270.5 mg/m<sup>3</sup></p>
1-Propoxypropan-2-ol	<p>: End Use: DNEL, Industrial use, Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 9 mg/kg bw/d</p> <p>End Use: DNEL, Workers</p>

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

	Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 217 mg/m <sup>3</sup>
Orange, sweet, ext.	: End Use: DNEL, Workers Exposure routes: Skin contact Potential health effects: Short-term exposure Value: 0.19 mg/cm <sup>2</sup>
	End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term exposure Value: 31.1 mg/m <sup>3</sup>
Butyl glycollate	: End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 21.2 mg/m <sup>3</sup>
2-(3-Methoxypropoxy)propan-1-ol	: End Use: DNEL, Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 65 mg/kg bw/d
	End Use: DNEL, Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 310 mg/m <sup>3</sup>
PNEC Propan-2-ol	: Fresh water Value: 140.9 mg/l
	Marine water Value: 140.9 mg/l
	Behaviour in waste water treatment plants Value: 2251 mg/l
	Sediment Value: 552 mg/kg dry weight (d.w.)
	Soil Value: 28 mg/kg dry weight (d.w.)
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	: Fresh water Value: 1 mg/l
	Marine water Value: 0.4 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

		Estuary sediment Value: 4 mg/l
3-Butoxypropan-2- ol,propylene glycol mono- butyl ether	:	Fresh water Value: 0.525 mg/l
		Marine water Value: 0.0525 mg/l
		Fresh water sediment Value: 2.36 mg/kg dry weight (d.w.)
		Marine sediment Value: 0.236 mg/kg dry weight (d.w.)
1-Propoxypropan-2-ol		Soil Value: 0.16 mg/kg
	:	Fresh water Value: 0.1 mg/l
		Marine water Value: 0.01 mg/l
		Fresh water sediment Value: 0.386 mg/kg dry weight (d.w.)
		Marine sediment Value: 0.0386 mg/kg dry weight (d.w.)
Orange, sweet, ext.		Soil Value: 0.0185 mg/kg
	:	Fresh water Value: 0.005 mg/l
		Marine water Value: 0.0005 mg/l
		Behaviour in waste water treatment plants Value: 2.1 mg/l
		Intermittent use/release Value: 0.0058 mg/l
		Fresh water sediment Value: 1.3 mg/kg dry weight (d.w.)
	Marine sediment Value: 0.13 mg/kg dry weight (d.w.)	

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

	Soil	Value: 0.261 mg/kg dry weight (d.w.)
	Oral	Value: 13.3 mg/kg
Butyl glycollate	: Fresh water	Value: 0.05 mg/l
	Marine water	Value: 0.005 mg/l
	Behaviour in waste water treatment plants	Value: 232 mg/l
	Fresh water sediment	Value: 0.203 mg/kg
	Marine sediment	Value: 0.0203 mg/kg
	Soil	Value: 0.0112 mg/kg
2-(3-Methoxypropoxy)propan-1-ol	: Fresh water	Value: 19 mg/l
	Marine water	Value: 1.9 mg/l
	Behaviour in waste water treatment plants	Value: 4168 mg/l
	Fresh water sediment	Value: 70.2 mg/kg
	Marine sediment	Value: 7.02 mg/kg
	Soil	Value: 2.74 mg/kg

### 8.2 Exposure controls

#### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

limit they must use appropriate certified respirators.

Recommended Filter type:

ABEK-filter

The filter class for the respirator must be suitable for the maximum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Eye protection : Safety glasses with side-shields

Skin and body protection : Protective suit

Protective measures : Follow the skin protection plan.

### Environmental exposure controls

General advice : Do not empty into drains.  
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : characteristic

Flash point : 43 °C

pH : 6.9  
at 1,000 g/l

20 °C

Boiling point/boiling range : 82 °C  
Method: DIN 51751

Density : 0.99 g/cm<sup>3</sup>  
at 20 °C  
Method: DIN 51757

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

Water solubility : 1,000 g/l  
completely soluble

### 9.2 Other information

Explosivity : No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Acute oral toxicity

Ethanol : LD50: 6,200 mg/kg  
Species: Rat

Propan-2-ol : LD50: 5,840 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

2-(2-Butoxyethoxy)ethanol; : LD50: 3,384 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

diethylene glycol monobutyl ether	Species: Rat
3-Butoxypropan-2-ol,propylene glycol mono-butyl ether	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 423
1-Propoxypropan-2-ol	: LD50: 2,000 - 4,350 mg/kg Species: Rat
Orange, sweet, ext.	: LD50: > 5,000 mg/kg Species: Rat
Butyl glycollate	: LD50: 4,595 mg/kg Species: Rat Method: OECD Test Guideline 401
2-(3-Methoxypropoxy)propan-1-ol	: LD50: 5,135 mg/kg Species: Rat
Acute inhalation toxicity Ethanol	: LC50: 124.7 mg/l Exposure time: 4 h Species: Rat
Propan-2-ol	: LC50: 30 mg/l Exposure time: 4 h Species: Rat
Acute dermal toxicity Propan-2-ol	: LD50: 13,900 mg/kg Species: Rabbit Method: OECD Test Guideline 402
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	: LD50: 2,700 mg/kg Species: Rabbit
3-Butoxypropan-2-ol,propylene glycol mono-butyl ether	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 402
1-Propoxypropan-2-ol	: LD50: 3,600 - 4,500 mg/kg Species: Rabbit
Orange, sweet, ext.	: LD50: > 5,000 mg/kg Species: Rabbit
2-(3-Methoxypropoxy)propan-1-ol	: LD50: 9,510 mg/kg Species: Rabbit

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

### Skin corrosion/irritation

Skin irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

### Serious eye damage/eye irritation

Eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.

### Respiratory or skin sensitisation

Sensitisation : This information is not available.

Sensitisation  
3-Butoxypropan-2-  
ol,propylene glycol mono-  
butyl ether : Buehler Test  
Species: Guinea pig  
No sensitising effects are known.

### Germ cell mutagenicity

Orange, sweet, ext. : In vitro tests did not show mutagenic effects

### Carcinogenicity

Remarks : Not classifiable as a human carcinogen.

### Reproductive toxicity

Butyl glycollate : NOEL INVITTOX. 1992. Protocol No.47: HET-CAM Test: 250 mg/kg  
Species: Rat  
Number of exposures: /day  
Method: OECD Test Guideline 414  
GLP: yes

Teratogenicity  
Orange, sweet, ext. : NOEL: 591 mg/kg  
NOAEL parents NOEL: 250 mg/kg  
Species: Rat

### Teratogenicity

Remarks  
Butyl glycollate : Suspected of damaging the unborn child.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

Target Organ Systemic Toxicant - Repeated exposure  
Orange, sweet, ext. : Species: Mouse  
Application Route: Oral

**Further information** : According to many years of experience, there are no known harmful effects when handled properly.  
Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Toxicity to fish : No data available

Toxicity to fish  
Ethanol : LC50: 8,150 mg/l  
Exposure time: 48 h  
Species: Leuciscus idus (Golden orfe)

Propan-2-ol : LC50: 8,970 mg/l  
Exposure time: 48 h  
Species: Leuciscus idus (Golden orfe)  
  
LC50: 9,640 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (Fathead minnow)

2-(2-Butoxyethoxy)ethanol;  
diethylene glycol monobutyl  
ether : LC50: 2,750 mg/l  
Exposure time: 48 h  
Species: Leuciscus idus (Golden orfe)  
Method: DIN 38412

LC50: 1,300 mg/l  
Exposure time: 96 h  
Species: Lepomis macrochirus (Bluegill sunfish)

3-Butoxypropan-2-  
ol,propylene glycol mono-  
butyl ether : LC50: > 100 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (Fathead minnow)

1-Propoxypropan-2-ol : LC50: > 100 mg/l  
Species: Oncorhynchus mykiss (rainbow trout)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

Orange, sweet, ext. : LC50: 0.7 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (Fathead minnow)  
Method: OECD Test Guideline 203

2-(3-Methoxypropoxy)propan-1-ol : LC50: 10,000 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)

### Toxicity to daphnia and other aquatic invertebrates

Ethanol : EC50: 10,800 mg/l  
Exposure time: 24 h  
Species: Daphnia (water flea)  
Method: OECD Test Guideline 202

Propan-2-ol : LC50: 9,714 mg/l  
Exposure time: 24 h  
Species: Daphnia magna (Water flea)

2-(2-Butoxyethoxy)ethanol;  
diethylene glycol monobutyl  
ether : EC50: 2,850 mg/l  
Exposure time: 48 h  
Species: Daphnia (water flea)

3-Butoxypropan-2-  
ol,propylene glycol mono-  
butyl ether : static test EC50: > 1,000 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

1-Propoxypropan-2-ol : LC50: 3,600 mg/l  
Species: Daphnia magna (Water flea)

Orange, sweet, ext. : EC50: 0.67 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 202

2-(3-Methoxypropoxy)propan-1-ol : LC50: 1,919 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

NOEC: 0.5 mg/l  
Exposure time: 22 d  
Species: Daphnia magna (Water flea)

Toxicity to algae  
Propan-2-ol : EC50: > 100 mg/l  
Exposure time: 72 h  
Species: Scenedesmus subspicatus

2-(2-Butoxyethoxy)ethanol; : NOEC: > 100 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

diethylene glycol monobutyl ether	Exposure time: 96 h Species: <i>Desmodesmus subspicatus</i> (green algae) Method: OECD Test Guideline 201
1-Propoxypropan-2-ol	: EC50: 1,466 mg/l Species: <i>Scenedesmus capricornutum</i> (fresh water algae)
Orange, sweet, ext.	: ErC50: 150 mg/l Exposure time: 72 h Species: <i>Desmodesmus subspicatus</i> Method: OECD Test Guideline 201
Butyl glycollate	: Growth inhibition NOEC: > 87.44 mg/l Species: <i>Lemna minor</i> (duckweed) Method: OECD Test Guideline 221 GLP: yes
2-(3-Methoxypropoxy)propan-1-ol	: EC50: 1,000 mg/l Exposure time: 72 h Species: <i>Selenastrum capricornutum</i> (green algae)
Toxicity to bacteria Propan-2-ol	: IC50: > 100 mg/l Species: Bacteria
1-Propoxypropan-2-ol	: EC50: 3,800 mg/l Exposure time: 16 h Species: Bacteria
2-(3-Methoxypropoxy)propan-1-ol	: Growth inhibition EC10: 4,168 mg/l Species: <i>Pseudomonas putida</i>

### 12.2 Persistence and degradability

Biodegradability : No data available

### 12.3 Bioaccumulative potential

Bioaccumulation : No data available

### 12.4 Mobility in soil

Mobility : No data available

### 12.5 Results of PBT and vPvB assessment

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## **DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1**

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

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 Other adverse effects**

Additional ecological information : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : Dispose of in accordance with local regulations.  
Do not let product enter drains.  
Do not dispose of with domestic refuse.

Packaging : Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : 140603 other solvents and solvent mixtures

## **SECTION 14: Transport information**

### **ADR**

Not dangerous goods

### **IATA**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **RID**

Not dangerous goods

## **SECTION 15: Regulatory information**

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.  
Regional or national implementations of GHS may not implement all hazard classes and categories.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## DISKO Synthetics Cleaner with antistatic agent - Art.No.: 1660, 1660/1

Version: 2.0

Revision Date 18.08.2015

Print Date 18.08.2015

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R11	Highly flammable.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

### Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

### Full text of Notas referred to under section 3

### Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.