

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## FLEXON

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

#### 1.1 Product identifier

FLEXON

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

##### Use of the substance/mixture

Washing and cleaning products (including solvent based products)  
Maintainer, irritant, containing solvents without skin-resorptive substances  
Process categories [PROC]: 8,10

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

Company name: Arcora International GmbH  
Street: Marsstraße 9  
Place: 85609 Aschheim by Munich  
Germany  
Tel: +49 (0)89 / 14 33 29 3-0  
Fax: +49 (0)89 / 14 33 29 3-29  
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008 [CLP]

The product does not support combustion.  
It therefore needs not to be classified as flammable despite a flash point below 60 °C.  
Hazard categories:  
Serious eye damage/eye irritation: Eye Irrit. 2  
Hazard Statements:  
Causes serious eye irritation.

#### 2.2 Label elements

Signal word: Warning  
Pictograms: GHS07



#### Hazard statements

H319 Causes serious eye irritation.



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### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
Take off contaminated clothing and wash it before reuse.

### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

### After ingestion

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet  
alcohol resistant foam  
Carbon dioxide  
Extinguishing powder

#### Unsuitable extinguishing media

High power water jet

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

Hazardous combustion products:  
Carbon dioxide  
Carbon monoxide

### 5.3 Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothes.

Do not mix with other chemicals.

Wear personal protection equipment (refer to section 8).

When using do not eat, drink or smoke.

Use only in well-ventilated areas.

Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Advice on storage compatibility

No special measures are necessary.

Storage class by TRGS 510: 12

### 7.3 Specific end uses

GISCODE/product-code: GU 80

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure limits (TRGS 900)

CAS-No.	Chemical name	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	Limit	Kind
34590-94-8	(2-Methoxymethylethoxy)propanol (mixed isomers)	50	310		1 (I)	
64-17-5	Ethanol	500	960		2 (II)	

#### DNEL/DMEL-values

CAS-No.	Chemical name	Exposure route	Effect	Value
34590-94-8	Dipropylenglycolmethylether			

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Worker DNEL, long-term	dermal	systemic	15 mg/kg KG/d
Worker DNEL, long-term	Inhalation	systemic	37,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	Dermal	systemic	65 mg/kg KG/d
Consumer DNEL, long-term	inhalation	systemic	310 mg/m <sup>3</sup>

## PNEC-values

CAS-No.	Chemical name	Value
34590-94-8	Dipropylenglycolmethylether	
Freshwater		19 mg/l
Marine water		1,9 mg/l
Freshwater sediment		70,2 mg/kg
Marine sediment		7,02 mg/kg
Soil		2,74 mg/kg

## 8.2 Exposure controls

### Protective and hygiene measures

Remove contaminated clothes.  
Clean your hands before breaks and with finishing the work.  
With the work do not eat, drink and smoke.  
Breakthrough time (maximum wearing time) >480 min.  
A survey of suitable brands with detailed information on breakthrough times is available upon request.

### Skin protection

Wear suitable work clothing.

### Inhalation protection

Use only in well-ventilated areas.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state: liquid  
Colour:  
Odour: Perfumes, fragrances

### Test method

pH-value (at 20 °C): 9,0- 10,0

### Changes in the physical state

Melting point: approx. 0 °C  
Initial boiling point and boiling range: approx. 90 °C  
Flash point: > 48 °C

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### Flammability

Solid: not applicable  
Gas: not applicable  
Lower explosion limits: not determined  
Upper explosion limits: not determined

### Auto-ignition temperature

Solid: not applicable  
Gas: not applicable  
Decomposition temperature: not determined

### Oxidizing properties

Not oxidising.

Vapour pressure: not determined  
Density (at 25 °C): 1,01 g/cm<sup>3</sup>  
Water solubility: completely miscible

### Solubility in other solvents

not determined

Partition coefficient: not determine  
Dyn. Viscosity (at 25 °C): < 10 mPa·s  
Vapour density: not determined  
Evaporation rate: not determined

### 9.2 Other information

Solid content: not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

The product is stable under storage at normal ambient temperatures.

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### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS-No.	Chemical name				
	Exposure route	Method	Dose	Species	Source
64-17-5	Ethanol (cf. Ethylalcohol)				
	oral	LD50	> 2000 mg/kg	Rat	ATE
	dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative vapour	LC50	> 20 mg/l	Rat	ATE
	Alkylpolyalkoxilat				
	Oral	LD50	> 2000 mg/kg	Rat	ATE
	Dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative aerosol	LC50	5 mg/l	Rat	ATE
34590-94-8	Dipropynglycolmethylether				
	Oral	LD50	> 5000 mg/kg	Rat	
	Dermal	LD50	9510 mg/kg	Rabbit	
	inhalative vapour	LC50	> 20 mg/l	Rat	ATE
68439-46-3	Fatty alcohol polyethoxylate				
	Oral	LD50	> 2000 mg/kg	Rat	OECD 401
	Dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative aerosol	LC50	> 5 mg/l	Rat	ATE
134180-76-0	Siloxane, ethoxylated				
	oral	LD50	> 2000 mg/kg	Rat	ATE
	dermal	LD50	> 2000 mg/kg	Rat	ATE
	inhalative vapour	ATE	11 mg/l		
	Inhalative aerosol	LC50	1,08 mg/l	Rat	OECD 401

#### Irritation and corrosivity

Causes serious eye irritation.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not met.

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### 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.

## SECTION 12: Ecological information

### 12.1 Toxicity

CAS-No.	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
64-17-5	Ethanol (cf. Ethylalcohol)					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		
	Acute algae toxicity	ErC50	> 100 mg/l			
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h		
	Alkylpolyalkoxilat					
	Acute fish toxicity	LC50	10-100 mg/l	96 h		
	Acute algae toxicity	ErC50	10-100 mg/l			
	Acute crustacea toxicity	EC50	10-100 mg/l	48 h		
34590-94-8	Dipropylenglycolmethylether					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Poecilia reticulata (Guppy)	
	Acute algae toxicity	ErC50	> 969 mg/l	96 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	1919 mg/l	48 h	Daphnia magna (Big water flea)	
	Crustacea toxicity	NOEC	> 0,5 mg/l	22 d	Daphnia magna (Big water flea)	
68439-46-3	Alkylpolyethoxilat					
	Acute fish toxicity	LC50	1-10 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
	Acute crustacea toxicity	EC50	0,7 mg/l	48 h	Daphnia magna (Big water flea)	
	Acute bacteria toxicity		> 1000 mg/l			
134180-76-0	Siloxane, ethoxylated					
	Acute fish toxicity	LC50	15 mg/l	96 h	Lepomis macrochirus (Bluegill)	
	Acute crustacea toxicity	EC50	177 mg/l	48 h	Daphnia magna (Big water flea)	



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## 12.2 Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS-No.	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	Ethanol (cf. Ethylalcohol)			
	OECD 301	> 60%	28	
	Readily biodegradable (according to OECD criteria).			
	Fatty alcohol polyalkoxylate			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	> 60%	28	
	Readily biodegradable (according to OECD criteria)..			
34590-94-8	Dipropylenglycolmethylether			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	75%	28	
	Readily biodegradable (according to OECD criteria).			
68439-46-3	Fatty alcohol polyethoxylate			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	> 60%	28	
	Readily biodegradable (according to OECD criteria).			
134180-76-0	Siloxane, ethoxylated			
	OECD 301	> 60%	28	
	Readily biodegradable (according to OECD criteria).			

## 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### Partition coefficient n-octanol/water

CAS-No.	Chemical name	Log Pow
34590-94-8	Dipropylenglycolmethylether	1,01

## 12.4 Mobility in soil

The product has not been tested.

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Other adverse effects

No information available.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation.  
Delivery to an approved waste disposal company.

##### Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

##### Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging.

##### Contaminated packaging

Non-contaminated packages may be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about land transport

lapse

#### Inland waterways transport (ADN)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

Other relevant information about Inland waterways transport

lapse

#### Marine transport (IMDG)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 Packing group

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### Other relevant information about marine transport

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### Air transport (ICAO)

**14.1 UN-number** No dangerous good in sense of these transport regulations.

**14.2 UN proper shipping name**

**14.3 The transport hazard class**

**14.4 Packing group**

### Other relevant information about air transport

lapse

### 14.5 Special precautions for user

No information available.

### 14.6 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

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

#### EU regulatory information

2010/75/EU (VOC): < 30 %

#### Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### 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 Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

