

Safety Data sheet

according to Regulation (EC) No 1907/2006



IDEAL

Compilation date: 15.11.2017
Revision date: 10.06.2021

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

1.1 Product identifier

IDEAL

UFI: 3DPJ-QPWW-XX47-QADK

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

Using of substance and mixture

Alkaline special cleaner.

1.3 Details of the supplier of the safety data sheet

Company name: ARCORA International GmbH
Street: Marsstraße 9
Place: D-85609 Aschheim by Munich
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: Poison control centre of the Charité – Universitätsmedizin
Berlin -24H- Tel.: 030 30686700

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

2.2 Label elements

Regulation (EC) No 1272/2008

Signal word: Attention

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash thoroughly with water after use.

P280 Wear protective gloves/protective clothing/eye protection/face protection/
hearing protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue to rinse
P337+P313 If eye irritation persists: Seek medical advice/attention.

2.3 Other hazards

There is no information available.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous ingredients

CAS-No.	Chemical name			Proportion
	EG-No.	Index-No.	REACH-No.	
	GHS-Classification			
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			5 - < 10 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
15763-76-5	Natrium-p-cumolsulfonat			1 - < 5 %
	Eye Irrit. 2; H319			
164524-02-1	Kalium-p-cumolsulfonat			1 - < 5 %
	629-764-9			
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Specific concentration limits, M-factors and ATE

CAS-No.	EG-No.	Chemical name	Proportion
	Specific concentration limits, M-factors and ATE		
111-76-2	203-905-0	2-Butoxy-ethanol (cf. butyl glycol)	5 - < 10 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1.5 mg/l (dusts or mists); dermal: LD50 = 1200 mg/kg; oral: LD50 = 1480 mg/kg		
15763-76-5		Sodium p-cumene sulphonate	1 - < 5 %
	inhalation: missing data (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
164524-02-1	629-764-9	Potassium p-cumene sulphonate	1 - < 5 %
	inhalation: missing data (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		

Labelling of ingredients according to Regulation (EC) No 648/2004

< 5 % phosphates, < 5 % non-ionic surfactants.

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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

Provide fresh air.

After skin contact

Wash off with plenty of water. Remove contaminated clothing and wash before wearing again.

After eye contact

In case of eye contact, rinse the eyes with water for a sufficiently long time with the eyelids open, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink 1 glass of water.

4.2 Most important symptoms and effects, both acute and delayed

There is no information available.

4.3 Indications for immediate medical help or special treatment

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt extinguishing measures to the surroundings.

5.2 Special hazards arising from the substance or mixture

Not flammable.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Knock down gases/vapours/mist with water spray. Collect contaminated extinguishing water separately. Do not allow to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe gas/fume/vapour/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

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6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Treat the absorbed material according to the section Disposal.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes on safe handling

No special precautions required.

Notes on fire and explosion protection

No special fire protection measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed.

Information on storage in one place

No special precautions required.

Storage class according to TRGS 510: 10 (Flammable liquids that cannot be assigned to any of the above LGKs)

7.3 Specific end use(s)

Alkaline special cleaner for microporous surfaces

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational limit value (TRGS 900)

CAS-No.	Chemical name	ppm	mg/m ³	F/m ³	Tip gr.	Type
111-76-2	2-Butoxyethanol	10	49		2(l)	

Biological limits (TRGS 903)

CAS-No.	Chemical name	Parameters	Limit value	Sub-material	Sample date
111-76-2	2-Butoxyethanol	Butoxyacetic acid (after hydrolysis in creatinine)	150 mg/g	U	b,c

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DNEL/DMEL values

CAS-No.	Chemical name			
DNEL Type		Exposure route	Effect	Value
111-76-2	2-Butoxy-ethanol (cf. butyl glycol)			
Consumer DNEL, long time		oral	systemic	6,3 mg/kg KG/d
Consumer DNEL, acute		oral	systemic	26,7 mg/kg KG/d
Consumer DNEL, acute		dermal	systemic	89 mg/kg KG/d
Employee DNEL, acute		dermal	systemic	89 mg/kg KG/d
Consumer DNEL, long time		dermal	systemi	75 mg/kg KG/d
Employee DNEL, long time		dermal	systemic	125 mg/kg KG/d
Consumer DNEL, acute		inhalative	systemic	426 mg/m³
Employee DNEL, acute		inhalative	systemic	1091 mg/m³
Consumer DNEL, long time		inhalative	systemic	59 mg/m³
Employee DNEL, long time		inhalative	systemic	98 mg/m³
Employee DNEL, acute		inhalative	local	246 mg/m³
Consumer DNEL, long time		inhalative	local	147 mg/m³
15763-76-5	Sodium p-cumene sulphonate			
Consumer DNEL, long time		oral	systemic	3,8 mg/kg KG/
Employee DNEL, long time		dermal	systemic	136,25 mg/kg KG/d
Consumer DNEL, long time		dermal	systemic	68,1 mg/kg KG/d
Employee DNEL, long time		dermal	local	0,096 mg/cm²
Consumer DNEL, long time		dermal	local	0,048 mg/cm²
Employee DNEL, long time		inhalative	systemic	26,9 mg/m³
Consumer DNEL, long time		inhalative	systemic	6,6 mg/m³
164524-02-1	Potassium p-cumene sulphonate			
Consumer DNEL, long time		oral	systemic	3,8 mg/kg KG/d
Employee DNEL, long time		dermal	systemic	136,25 mg/kg KG/d
Consumer DNEL, long time		dermal	systemic	68,1 mg/kg KG/d
Employee DNEL, long time		dermal	local	0,096 mg/cm²
Consumer DNEL, long time		dermal	local	0,048 mg/cm²
Employee DNEL, long time		inhalative	systemic	26,9 mg/m³

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CAS-No.	Chemical name	
Environmental compartment		value
111-76-2	2-Butoxy-ethanol (cf. butyl glycol)	
freshwater		8,8 mg/l
freshwater (intermittent release)		9,1 mg/l
seawater		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Sea sediment		3,46 mg/kg
Microorganisms in sewage treatment plants		463 mg/l
soil		2,33 mg/kg
15763-76-5	Sodium p-cumene sulphonate	
freshwater		0,23 mg/l
seawater		0,023 mg/l
Freshwater sediment		0,862 mg/kg
Sea sediment		0,086 mg/kg
Microorganisms in sewage treatment plants		100 mg/l
soil		0,037 mg/l
164524-02-1	Potassium p-cumene sulphonate	
freshwater		0,23 mg/l
seawater		0,023 mg/l
freshwater sediment		0,862 mg/kg
sea sediment		0,086 mg/kg
microorganisms in sewage treatment plants		100 mg/l
soil		0,037 mg/kg

8.2 Exposure controls



Protective and hygiene measures

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Immediately remove soiled, saturated clothing. Draw up a skin protection plan and follow it! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke or sniff at the workplace.

Eye/face protection

Suitable eye protection: Basket goggles.

Hand protection

When handling chemical agents, only chemical protective gloves with a CE mark including a four-digit test number may be worn. The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Body protection

Use of protective clothing.

Breathing protection

Wear respiratory protection in case of insufficient ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear
Odour:	fresh
pH-value (at 20 °C):	9,5

Changes of state

Melting point:	not determined
Boiling point or initial boiling point and	not determined
Boiling range:	
Flash point:	<100°C

Flammability

Solid:	not applicable
Gas:	not applicable

Explosion hazards

The product is not: Explosive.

Lower explosion limit:	not determined
Upper explosion limit:	not determined

Auto-ignition temperature

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

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Fire promoting properties

The product is not: oxidising.

Vapour pressure: not determined

Density: 1.09 g/cm³

Solubility in water: slightly soluble

Solubility in other solvents

Not determined

Partition coefficient not determined

n-octanol/water:

Relative vapour density: not determined

Evaporation rate: not determined

9.2 Further information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions occur if handled and stored as intended.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

none

10.5 Incompatible materials

There is no information available.

10.6 Hazardous decomposition products

No dangerous decomposition products are known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

CAS-No.	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-Butoxy-ethanol (cf. butyl glycol)				
	oral	LD50 1480 mg/kg	rat		
	dermal	LD50 1200 mg/kg	rabbit		
	Inhalative vapour	ATE 11 mg/l			
	Inhalative aerosol	ATE 1,5 mg/l			
15763-76-5	Sodium p-cumene sulphonate				
	oral	LD50 > 2000 mg/kg	rat		
	dermal	LD50 > 2000 mg/kg	rabbit		
	inhalative	Missing data			
164524-02-1	Potassium p-cumene sulphonate				
	oral	LD50 > 2000 mg/kg	rat		
	dermal	LD50 > 2000 mg/kg	rabbit		
	inhalative	Missing data			

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Other information on examinations

The mixture is classified as dangerous according to Regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity

The product is not: Ecotoxic.

CAS-No.	Chemical name					
	Aquaitytic toxic	Dose	[h] [d]	Species	Source	Method
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)					
	Acute fish toxicity	LC50 1474 mg/l	96 h	Rainbow trout		
	Acute crustacean toxicity	EC50 1550 mg/l	48 h	Water flea		
	Fish toxicity	NOEC >100 mg/l	21 d	Zebrafish		
15763-76-5	Natrium-p-cumolsulfonat					
	Acute fish toxicity	LC50 > 100 mg/	96 h	Oncorhynchus mykiss)		
	Acute algal toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacean toxicity	EC50 > 100 mg/	48 h	Daphnia magna		
164524-02-1	Kalium-p-cumolsulfonat					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Cyprinus carpio)		
	Acute algal toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacean toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
	Acute bacterial toxicity	(> 100 mg/l)	3 h	Activated sludge		OECD 209

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12.2 Persistence and degradability

The product has not been tested.

12.3 Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS-No.	Chemical name	Log Pow
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	0,81 (25°C)

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The product has not been tested.

12.6 Other adverse effects

The product has not been tested.

Further notes

Do not allow to enter drains or water courses. Do not allow to enter the ground/soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendations for disposal

Do not allow to enter drains or water courses. Do not allow to enter the ground/soil. Dispose of in accordance with official regulations.

Disposal of uncleaned packaging and recommended cleaning agents

Non-contaminated and empty packaging can be recycled. Contaminated packaging must be treated in the same way as the substance.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number: Not a dangerous good in the sense of these transport regulations.

14.2 proper Not a dangerous good in the sense of these transport regulations.

UN shipping name:

14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.

14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

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Inland waterways transport (ADN)

- 14.1 UN-number:** Not a dangerous good in the sense of these transport regulations.
14.2 proper Not a dangerous good in the sense of these transport regulations.
UN shipping name:
14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.
14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

Marine transport (IMDG)

- 14.1 UN-number:** Not a dangerous good in the sense of these transport regulations.
14.2 proper Not a dangerous good in the sense of these transport regulations.
UN shipping name:
14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.
14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

- 14.1 UN-number:** Not a dangerous good in the sense of these transport regulations.
14.2 proper Not a dangerous good in the sense of these transport regulations.
UN shipping name:
14.3 transport hazard class: Not a dangerous good in the sense of these transport regulations.
14.4 Packing group: Not a dangerous good in the sense of these transport regulations.

14.5 Special precautions for user

No information available.

14.6 Carriage in bulk in accordance with Annex II of the MARPOL Convention 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 regulations

Restrictions on use (REACH, Annex XVII):

Entry 3

Information on IE Directive 2010/75/EU 8,43 % (91.887 g/l)

(VOC):

VOC Directive data 82,5 % (899,25 g/l)

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2004/42/EG:

Information on the SEVESO III Directive

Not subject to the SEVESO III Directive

2012/18/EU:

Additional hints

Regulation (EC) No 648/2004 on detergents.

National regulations

Employment restriction:

Observe employment restrictions for young people
(§ 22JArbSchG).

Water hazard class:

1 – slightly hazardous to water

Status:

Classification of mixtures according to Annex 1, No. 5 AwSV

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture have not been 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

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

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MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

Abbreviations and acronyms see list at <http://abk.esdscom.eu>

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes severe eye irritation.
H332	Harmful by inhalation.

Further information

The information is based on the current state of our knowledge, but it does not constitute a guarantee of product properties and does not establish a product characteristics and do not establish a contractual legal relationship. Existing laws and regulations are to be observed by the recipient of our products at his own responsibility.

*(The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier).
of the supplier).*