

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Eilfix® Spülan KS Klarspüler sauer

Print date: 27.04.2016

Product code: 100117

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaning agent, acidic

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Becker Chemie GmbH	
Street:	Westring 87-89	
Place:	D-33818 Leopoldshöhe	
Telephone:	+49(0)5202-9923-0	Telefax: +49(0)5202-9923-12
e-mail:	info@becker-chemie.de	
Contact person:	Dr. Bogner	Telephone: +49(0)5202-9923-0
e-mail:	info@becker-chemie.de	
Internet:	www.becker-chemie.de	
Responsible Department:	Department product safety tel.: +49(0)5202-9923-0	

1.4. Emergency telephone number:

+49(0)160-92250872

Further Information

Restricted to professional users. Safety data sheet available for professional user on request. Notice the directions for use on the label. To avoid risks to man and the environment, comply with the instructions for use.

SECTION 2: Hazards identification**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:** Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

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

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients
3.2. Mixtures
Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
67-63-0	Propan-2-ol			5 - 15 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated			5 - < 10 %
	931-986-9			
	Aquatic Chronic 3; H412			
5949-29-1	Citric acid, monohydrate			5-15 %
	201-069-1			
	Eye Irrit. 2; H319			

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

Further Information

 Labelling for contents according to regulation (EC) No. 648/2004:
 5-15% non-ionic surfactants.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Move victim out of danger zone.

After inhalation

Provide fresh air.

After contact with skin

Remove contaminated, saturated clothing immediately.

After contact with skin, wash immediately with: Water.

In case of skin irritation, seek medical treatment.

After contact with eyes

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

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

Consult physician.

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

Reizwirkung auf Haut, Augen und Atmungsorgane; Kopfschmerzen, Übelkeit; Magen-Darm-Beschwerden.

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

Symptomatische Behandlung (Dekontamination, Vitalfunktionen), kein spezifisches Antidot bekannt.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media

alcohol resistant foam. Extinguishing powder. Atomized water.

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Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gas/vapours, harmful.

5.3. Advice for firefighters

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

Additional information

Contaminated fire-fighting water must not get into the sewerage network.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on protection equipment and keep away unprotected persons.

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

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

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

6.4. Reference to other sections

Information for safe handling see chapter 7.

Information for personal protective equipment see Chapter 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

 It is recommended to design all work processes always so that the following is excluded:
 skin contact. Eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls



Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

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Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. DIN EN 165

Hand protection

Hand protection: not required.

Skin protection

Body protection: not required.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	like: Alcohol

Test method

pH-Value (at 20 °C): 2-2,5

Changes in the physical state

Melting point: No data available

Initial boiling point and boiling range: > 100 °C

Flash point: 23-55 °C

Flammability

Solid: No data available

Gas: No data available

Density (at 20 °C): 1,012 g/cm³**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reactions at a correct storage and handling.

10.2. Chemical stability

No decomposition at storage as agreed and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions at a correct storage and handling.

10.4. Conditions to avoid

Offering protection against frost.

10.5. Incompatible materials

keine Angaben

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Toxicological data are not available.

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-63-0	Propan-2-ol				
	oral	LD50	4570 mg/kg	rat	MSDS
	dermal	LD50	> 2000-13400 mg/kg	rabbit	MSDS
	inhalative (4 h) vapour	LC50	30 mg/l	rat	MSDS
5949-29-1	Citric acid, monohydrate				
	oral	LD50	3000 mg/kg	Ratte	Gestis

SECTION 12: Ecological information
12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
67-63-0	Propan-2-ol					
	Acute fish toxicity	LC50	>100 mg/l	96 h	Leuciscus idus	48 h
	Acute algae toxicity	ErC50	>100 mg/l	72 h	Scenedesmus subspicatus	MSDS
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna	MSDS
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated					
	Acute fish toxicity	LC50	>1-<10 mg/l	96 h	Leuciscus idus	DIN 38412 Teil 15
	Acute algae toxicity	ErC50	>1-<10 mg/l			OECD 201
	Acute crustacea toxicity	EC50	>1-<10 mg/l	48 h	Daphnia magna	OECD 202
5949-29-1	Citric acid, monohydrate					
	Acute crustacea toxicity	EC50	160 mg/l	48 h		Gestis

12.2. Persistence and degradability

The Tenside used in the mixture correspond to the Detergenzienverordnung (no. 648/2004) and are degradable completely aerobically. The product doesn't contribute to the AOX value of the water.

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	Propan-2-ol	0,05
5949-29-1	Citric acid, monohydrate	-1,57

12.4. Mobility in soil

keine Angaben

12.6. Other adverse effects

keine Angaben

Further information

No data available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific

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way for every industry and process.

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

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): 6,77 % (68,512 g/l)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

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SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,3,9,15.

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The processing and application notes are on the technical leaflets to the products. The details are based on today's stand of our knowledge, they don't represent any assurance of product qualities, however, and don't justify any contractual facts of the case.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)