

# LIQUID DESCALER FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES

## Safety Data Sheet

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

Date of issue: 4/27/2017

Revision date: 4/27/2017

Version: 1.00

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

#### 1.1. Product identifier

Trade name : LIQUID DESCALER  
FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES

Article number : 7851

Formulation-No. : M0699

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning agent  
Descaler

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

HEINRICH HAGNER GmbH & Co  
Farinastraße 1 - 9  
72250 Freudenstadt - Germany  
T +49 (0) 7441 865-0 - F +49 (0) 7441 4434  
[info@chh-cosmetic.de](mailto:info@chh-cosmetic.de) - [www.chh-cosmetic.de](http://www.chh-cosmetic.de)

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : Emergency CONTACT (24-Hour-Number)  
international (001) 352 323 3500

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger

Hazardous ingredients : sulphamidic acid, sulphamic acid, sulfamic acid

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) : P102 - Keep out of reach of children  
P103 - Read label before use  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
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, a doctor  
P405 - Store locked up

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P501 - Dispose of contents/container to a hazardous or special waste collection point

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sulphamidic acid	(CAS-No.) 5329-14-6 (EC-No.) 226-218-8 (EC Index-No.) 016-026-00-0	10 - 20	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Call a physician immediately. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact	: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Drink plenty of water. Rinse mouth out with water. Do NOT induce vomiting. Seek immediate medical advice. If possible show him this sheet. Failing this, show him the packaging or label.

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

Symptoms/effects	: Causes severe skin burns and eye damage. Burns to the gastric/intestinal mucosa.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Causes serious eye burns.
Symptoms/effects after ingestion	: Burns to the gastric/intestinal mucosa.

### 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. Dry powder. Carbon dioxide. alcohol resistant foam.
Unsuitable extinguishing media	: None.

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

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Sulphur oxides. Nitrogen oxides.
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### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

## SECTION 6: Accidental release measures

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

General measures	: Avoid contact with skin and eyes. Liquid material is slippery. Notify authorities if product enters sewers or public waters.
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### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothes. Wash contaminated clothing before reuse.

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

Technical measures : Ensure adequate ventilation, especially in confined areas.

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store in a dry place.

Information about storage in one common storage facility : Store away from. Strong bases. oxidizing materials. Keep away from food, drink and animal feeding stuffs.

Storage area : Store on an acid resistant underground.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Chemically resistant protective gloves. EN 374. Nitrile rubber. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0,5		

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

No respiratory protection needed under normal use conditions

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### Environmental exposure controls:

Avoid release to the environment. Do not allow into drains or water courses. Avoid sub-soil penetration.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 0.25 - 0.65
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.08 - 1.09 g/cm <sup>3</sup>
Solubility	: Water: Miscible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong bases. Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

#### sulphamidic acid (5329-14-6)

LD50 oral rat	3160 mg/kg
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 0.25 - 0.65
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 0.25 - 0.65
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Based on available data, the classification criteria are not met.

sulphamidic acid (5329-14-6)	
LC50 fish 1	70.3 mg/l (96 h; Pimephelas promelas; (OECD 203 method))
EC50 Daphnia 1	71.6 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	33.8 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
NOEC chronic fish	>= 60 mg/l (34 d; Danio rerio; (OECD 210 method))
NOEC chronic crustacea	19 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	18 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

#### 12.2. Persistence and degradability

LIQUID DESCALER FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES	
Persistence and degradability	The product has not been tested.
sulphamidic acid (5329-14-6)	
Persistence and degradability	Not relevant.

#### 12.3. Bioaccumulative potential

LIQUID DESCALER FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES	
Bioaccumulative potential	The product has not been tested.

#### 12.4. Mobility in soil

LIQUID DESCALER FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES	
Ecology - soil	The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

LIQUID DESCALER FOR K-FEE® - YOUR SYSTEM CAPSULE MACHINES	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Component	
sulphamidic acid (5329-14-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue.
Sewage disposal recommendations	: Do not allow into drains or water courses.
Product/Packaging disposal recommendations	: Clean using water and a detergent.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances






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### SECTION 14: Transport information

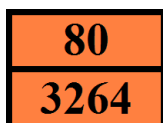
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
3264	3264	3264	3264	3264
<b>14.2. UN proper shipping name</b>				
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid)	Corrosive liquid, acidic, inorganic, n.o.s. (sulphamic acid)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid)
<b>Transport document description</b>				
UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid), 8, II, (E)	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid), 8, II	UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (sulphamic acid), 8, II	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid), 8, II	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamic acid), 8, II
<b>14.3. Transport hazard class(es)</b>				
8	8	8	8	8
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

#### 14.6. Special precautions for user

##### - Overland transport

Classification code (ADR) : C1  
 Special provisions (ADR) : 274  
 Limited quantities (ADR) : 1I  
 Excepted quantities (ADR) : E2  
 Transport category (ADR) : 2  
 Hazard identification number (Kemler No.) : 80  
 Orange plates :



Tunnel restriction code (ADR) : E  
 EAC code : 2X  
 APP code : B

##### - Transport by sea

Special provisions (IMDG) : 274  
 Limited quantities (IMDG) : 1 L  
 Excepted quantities (IMDG) : E2  
 EmS-No. (Fire) : F-A  
 EmS-No. (Spillage) : S-B  
 Stowage and handling (IMDG) : SW2

##### - Air transport

PCA Excepted quantities (IATA) : E2  
 PCA Limited quantities (IATA) : Y840  
 PCA limited quantity max net quantity (IATA) : 0.5L  
 PCA packing instructions (IATA) : 851

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PCA max net quantity (IATA) : 1L  
CAO max net quantity (IATA) : 30L  
Special provisions (IATA) : A3

#### - Inland waterway transport

Classification code (ADN) : C1  
Special provisions (ADN) : 274  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2  
Carriage permitted (ADN) : T

#### - Rail transport

Classification code (RID) : C1  
Special provisions (RID) : 274  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Transport category (RID) : 2  
Hazard identification number (RID) : 80

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work.

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Abbreviations and acronyms:

	CAS (Chemical Abstracts Service) number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA (European Chemicals Agency).

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Germany

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500  
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Dr. Johann Klassen

Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Corr. 1	H314	Expert judgment
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KFT SDS EU 00

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*