

## according to UK REACH Regulation

## **ARENAS-exet 3**

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

## 1.1. Product identifier

**ARENAS-exet 3** 

UFI: KU70-70K5-S00S-1HX9

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

#### Use of the substance/mixture

Product for professional cleaning and maintenance

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

Company name: JOHANNES KIEHL KG

Street: Robert-Bosch-Str. 9
Place: D-85235 Odelzhausen

Telephone: +49 8134 9305-0 Telefax: +49 8134 6466

e-mail: info@kiehl-group.com
Contact person: Laboratory department
Internet: www.kiehl-group.com

Responsible Department: Notrufnummer für deutsch- und englischsprachige Länder: +49/89/19240

Vergiftungsinformationszentrale (VIZ) Österreich: +43 1 406 43 43 Nationale Notrufnummer für die Schweiz (Tox-Zentrum Zürich): 145

Numéro d'urgence France: INRS: +33 (0) 1 45 42 59 59

Numero d' emergenza Italia: Centro Antiveleni - 20162 Milano: 02/66101029 ETTSZ /Egészségügyi Toxikológiai Tájékoztató Szolgálat/, 1096 Budapest,

Nagyvárad tér 2. Ügyeleti telefonszám: +36 80 201-199

Eesti: Häirekeskuse number: 112 / Mürgistusteabekeskuse number: 16662 Emergency telephone number for all other countries: +49/8134/9305-169

KIEHL Austria GmbH Perfektastr. 57; A-1230 Wien Tel. +43 (0) 1 / 604 99 93 KIEHL FRANCE S.A.R.L. 5, rue de Londres; F-67670 Mommenheim Tél. +33 (0) 3.88.59.52.25 KIEHL Italia s.r.l. Via San Rocco, 101; I-16036 Recco (GE) Tel. +39 / 0185 730 008 KIEHL Schweiz AG St. Dionys-Str. 33; CH-8645 Jona Tel. +41 (0) 55 / 254 74 74 KIEHL Hungary Kft. Felsőipari körút 3/ D HU-2142 Nagytarcsa Tel. +36 (0) 1 / 348-08 41 KIEHL Middle East LLC A8-LIU 48/49 - KIZAD Abu Dhabi, U.A.E. Tel. +971 2 550 33 96

# 1.4. Emergency telephone

+49/89/19240 (germanophone and anglophone)

number:

# **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## **GB CLP Regulation**

Skin Irrit. 2; H315 Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

## 2.2. Label elements

## **GB CLP Regulation**

Signal word: Warning

Pictograms:





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#### **Hazard statements**

H319 Causes serious eye irritation.
H315 Causes skin irritation.

## **Precautionary statements**

P280 Wear protective gloves/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

## 2.3. Other hazards

None known.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### Chemical characterization

according to 648/2004/CE: nonionic surfactants <5%, organic acids

#### **Hazardous components**

CAS No	Chemical name	Chemical name		
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
144-62-7	Oxalic acid			1 - < 5 %
	205-634-3	607-006-00-8	01-2119534576-33	
	Acute Tox. 4, Acute Tox. 4; H312 H302			

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

# Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
144-62-7	205-634-3	Oxalic acid	1 - < 5 %
	dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg		

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

## **General information**

Avoid contact with skin and eyes.

## After inhalation

not hazardous by inhalation

### After contact with skin

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

## After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

## After ingestion

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible.

Consult a physician.

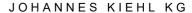
# 4.2. Most important symptoms and effects, both acute and delayed

This information is not available.

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

Show this safety data sheet to the doctor in attendance.

# **SECTION 5: Firefighting measures**





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## 5.1. Extinguishing media

# Suitable extinguishing media

Any extinguishing means and measures are acceptable.

# 5.2. Special hazards arising from the substance or mixture

This information is not available.

## 5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

## **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Avoid contact with eyes.

# For non-emergency personnel

Use personal protection equipment.

## For emergency responders

Use personal protection equipment.

## 6.2. Environmental precautions

Do not flush into surface water.

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

#### For containment

Stop leak if safe to do so. Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

# For cleaning up

Wipe up with absorbent material (e.g. cloth, fleece).

Clean contaminated articles and floor according to the environmental legislation.

## Other information

Never return spills in original containers for re-use.

## 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

## Advice on safe handling

Ensure adequate ventilation.

## Advice on protection against fire and explosion

Not required

# Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice.

# 7.2. Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Store at room temperature in the original container. Store in a place accessible by authorized persons only.

## Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

# Further information on storage conditions

Keep container tightly closed.

Never return unused material to storage receptacle.



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## 7.3. Specific end use(s)

This information is not available.

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
144-62-7	Oxalic acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

## 8.2. Exposure controls

## Appropriate engineering controls

Not required

## Individual protection measures, such as personal protective equipment

## Eye/face protection

Tightly fitting safety goggles

# Hand protection

Protective gloves

Recommendation: Nature latex gloves with parts of polychloropren latex and a coating thickness of 0.6 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

## Skin protection

Wear suitable protective clothing.

# Respiratory protection

Not required

## **Environmental exposure controls**

Handle in accordance with good industrial hygiene and safety practice.

## **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state: liquid Colour: colourless Odour: weakly stinging

**Test method** 

Melting point/freezing point: <-0 °C Boiling point or initial boiling point and >98 °C

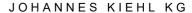
boiling range: Flammability

Solid/liquid:

not applicable Gas: not applicable Lower explosion limits: not applicable Upper explosion limits: not applicable >100 °C Flash point: >200 °C Auto-ignition temperature: Decomposition temperature: not determined

pH-Value (at 20 °C): approx. 1,0 K-QP1012C

Viscosity / kinematic: not determined





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Water solubility: completely miscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: not determined

Density (at 20 °C): 1,02 g/cm³ K-QP1012E

Relative vapour density: not determined

## 9.2. Other information

# Information with regard to physical hazard classes

Explosive properties
Not explosive
Self-ignition temperature

Solid: not applicable
Gas: not applicable

Oxidizing properties Not relevant

## Other safety characteristics

Evaporation rate:

Solid content:

Sublimation point:

Softening point:

Pour point:

Viscosity / dynamic:

Flow time:

not determined

not applicable

not applicable

not applicable

not applicable

not determined

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

This information is not available.

# 10.2. Chemical stability

This information is not available.

## 10.3. Possibility of hazardous reactions

This information is not available.

## 10.4. Conditions to avoid

Do not expose to temperatures above 35 °C.

## 10.5. Incompatible materials

This information is not available.

# 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

## **Further information**

Do not mix with other detergents or chemicals.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in GB CLP Regulation

# **Acute toxicity**

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



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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
144-62-7	Oxalic acid				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			

## Irritation and corrosivity

Causes skin irritation.

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.

#### 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.

# 11.2. Information on other hazards

# **Endocrine disrupting properties**

This information is not available.

## Further information

Health injuries are not known or expected under normal use.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

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

## 12.2. Persistence and degradability

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

## 12.3. Bioaccumulative potential

This information is not available.

# 12.4. Mobility in soil

This information is not available.

# 12.5. Results of PBT and vPvB assessment

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

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## 12.7. Other adverse effects

This information is not available.

# **Further information**

The organic ingredients can be biodegraded in a sewage plant after neutralization. Chemical Oxygen Demand (COD) 45 mg O2/g

# **SECTION 13: Disposal considerations**





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## 13.1. Waste treatment methods

## **Disposal recommendations**

Container should be emptied thoroughly. Do not pour remains of product in large quantities into the sewage.

## List of Wastes Code - 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

#### List of Wastes Code - used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### Contaminated packaging

Clean container with water. Return cleaned containers to the company for recycling.

Offer rinsed packaging material to local recycling facilities.

# **SECTION 14: Transport information**

# Land transport (ADR/RID)

14.1. UN number or ID number:not applicable14.2. UN proper shipping name:not applicable14.3. Transport hazard class(es):not applicable14.4. Packing group:not applicable

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

## 14.6. Special precautions for user

Not required

# 14.7. Maritime transport in bulk according to IMO instruments

not applicable

#### Other applicable information

Not classified as dangerous in the meaning of transport regulations.

# **SECTION 15: Regulatory information**

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

## **EU** regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

# **National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

## 15.2. Chemical safety assessment

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

## **SECTION 16: Other information**

## Changes

This data sheet contains changes from the previous version in section(s): 3 / 6 / 7 / 8 / 12

## Abbreviations and acronyms

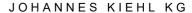
ADR: Accord européen sur le transport des marchandises dangereuses par Route

(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





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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

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

IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

# 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 serious eve irritation.

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