

## Safety Data Sheet

according to UK REACH Regulation

### ARENAS-oxyp

Revision date: 01.07.2024

Product code: j6534\_sd

Page 1 of 8

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

### 1.1. Product identifier

ARENAS-oxyp

UFI: 3QR0-V08M-F00A-DPR7

### 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 number:

+49/89/19240 (germanophone and anglophone)  
For Belgium: +32 70 245 245 (free, 24/7) or +32 2 264 96 30 (normal rate)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

Signal word: Warning

Pictograms:



#### Hazard statements

H319 Causes serious eye irritation.

## Safety Data Sheet

according to UK REACH Regulation

### ARENAS-oxyp

Revision date: 01.07.2024

Product code: j6534\_sd

Page 2 of 8

#### Precautionary statements

P280 Wear 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: phosphonates <5%, Peroxides

#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
128275-31-0	6-(phthalimido)peroxyhexanoic acid			15 - < 20 %
	410-850-8	617-019-00-0	01-0000015833-68	
	Org. Perox. D, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H242 H318 H400 H412			
7414-83-7	Disodium dihydrogen(1-hydroxyethylidene)bisphosphonate			< 2 %
	231-025-7		01-2119510382-52	
	Acute Tox. 4; 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		
128275-31-0	410-850-8	6-(phthalimido)peroxyhexanoic acid	15 - < 20 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = 2550 mg/kg Aquatic Acute 1; H400: M=1		
7414-83-7	231-025-7	Disodium dihydrogen(1-hydroxyethylidene)bisphosphonate	< 2 %
	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.

## Safety Data Sheet

according to UK REACH Regulation

Revision date: 01.07.2024

**ARENAS-oxyp**

Product code: j6534\_sd

Page 3 of 8

### SECTION 5: Firefighting measures

#### 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**

Avoid contact with skin and eyes.

##### **Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.

##### **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.

Suitable material: Stainless steel, plastic, glass

Unsuitable material: copper

##### **Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

## Safety Data Sheet

according to UK REACH Regulation

### ARENAS-oxyp

Revision date: 01.07.2024

Product code: j6534\_sd

Page 4 of 8

#### Further information on storage conditions

Keep container tightly closed.  
Never return unused material to storage receptacle.

#### 7.3. Specific end use(s)

This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

#### Appropriate engineering controls

Not required

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166

##### Hand protection

Solvent-resistant gloves (butyl-rubber)

##### 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:	white
Odour:	odourless

	Test method
Melting point/freezing point:	<0 °C
Boiling point or initial boiling point and boiling range:	>98 °C
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	approx. 3,5 K-QP1012C
Viscosity / kinematic:	not determined
Water solubility: (at 20 °C)	completely miscible
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined

**Safety Data Sheet**

according to UK REACH Regulation

**ARENAS-oxyp**

Revision date: 01.07.2024

Product code: j6534\_sd

Page 5 of 8

Density (at 20 °C):	1,05 g/cm <sup>3</sup> K-QP1012E
Relative vapour density:	not determined
Particle characteristics:	not applicable

**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:

not determined

Solid content:

not determined

Sublimation point:

not applicable

Softening point:

not applicable

Pour point:

not applicable

Viscosity / dynamic:

not determined

Flow time:

not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Decomposes on heating.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

Contact with combustible material may cause fire.

**10.4. Conditions to avoid**

Do not expose to temperatures above 35 °C.

To avoid thermal decomposition, do not overheat.

Keep away from direct sunlight.

**10.5. Incompatible materials**

Reducing agents, Sulphides, Copper alloys, Nitriles, Mercaptan

**10.6. Hazardous decomposition products**

Oxygen

**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.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

**Safety Data Sheet**

according to UK REACH Regulation

**ARENAS-oxyp**

Revision date: 01.07.2024

Product code: j6534\_sd

Page 6 of 8

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
128275-31-0	6-(phthalimido)peroxyhexanoic acid				
	oral	LD50 mg/kg	2550	Rat	OECD 401
	dermal	LD50 mg/kg	>2000	Rat	OECD 402
7414-83-7	Disodium dihydrogen(1-hydroxyethylidene)bisphosphonate				
	oral	ATE mg/kg	500		

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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.

This product has no known eco-toxicological effects.

**12.2. Persistence and degradability**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

**12.3. Bioaccumulative potential**

Bioaccumulation is unlikely.

**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.

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Endocrine disrupting properties**

## Safety Data Sheet

according to UK REACH Regulation

### ARENAS-oxyp

Revision date: 01.07.2024

Product code: j6534\_sd

Page 7 of 8

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.

### SECTION 13: Disposal considerations

#### **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 applicable

**14.2. UN proper shipping name:** not applicable

**14.3. Transport hazard class(es):** not applicable

**14.4. 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, Entry 75

##### **National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

#### **15.2. Chemical safety assessment**

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

### SECTION 16: Other information

**Safety Data Sheet**

according to UK REACH Regulation

**ARENAS-oxyp**

Revision date: 01.07.2024

Product code: j6534\_sd

Page 8 of 8

**Abbreviations and acronyms**

Org. Perox  
Acute Tox: Acute toxicity  
Eye Dam: Eye damage  
Eye Irrit: Eye irritation  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
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  
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)**

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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