

## Safety Data Sheet

according to UK REACH Regulation

### ARCANDIS-EcoTab

Revision date: 12.12.2022

Product code: j5611\_sd

Page 1 of 8

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

### 1.1. Product identifier

ARCANDIS-EcoTab

UFI: 6S50-300N-E00W-5AXR

### 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)

## 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

### ARCANDIS-EcoTab

Revision date: 12.12.2022

Product code: j5611\_sd

Page 2 of 8

#### Precautionary statements

- P102 Keep out of reach of children.  
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.  
P101 If medical advice is needed, have product container or label at hand.

#### Special labelling of certain mixtures

- EUH208 Contains Protease, Amylase. May produce an allergic reaction.

#### 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%, Phosphonates <5%, Polycarboxylates <5%, Oxygen-based bleaching agents 5-15%, Enzymes (Protease, Amylase)

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
497-19-8	Sodium carbonate			25 - < 30 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			
15630-89-4	Sodium percarbonate			10 - < 15 %
	239-707-6		01-2119457268-30	
	Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318			
1344-09-8	Silicid acid, sodium salt			5 - < 10 %
	215-687-4		01-2119448725-31	
	Met. Corr. 1, Acute Tox. 4, STOT SE 3; H290 H302 H335			

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	
15630-89-4	239-707-6	Sodium percarbonate	10 - < 15 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 1034 mg/kg	
1344-09-8	215-687-4	Silicid acid, sodium salt	5 - < 10 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >2000 mg/kg	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Avoid contact with skin and eyes.

##### After inhalation

Take the victim into fresh air.

##### After contact with skin

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

**ARCANDIS-EcoTab**

Revision date: 12.12.2022

Product code: j5611\_sd

Page 3 of 8

**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**

**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 skin and 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 cleaning up**

Use mechanical handling equipment.  
After cleaning, flush away traces with water.

**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**

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**

## Safety Data Sheet

according to UK REACH Regulation

### ARCANDIS-EcoTab

Revision date: 12.12.2022

Product code: j5611\_sd

Page 4 of 8

#### 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.

#### 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

##### 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:	solid
Colour:	white-green
Odour:	characteristic

#### Test method

Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	not applicable

##### Flammability

Solid/liquid:	not applicable
Gas:	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. 10,5 (1%) K-QP1012C

Viscosity / kinematic: not determined

Water solubility: completely miscible  
(at 20 °C)

**Safety Data Sheet**

according to UK REACH Regulation

**ARCANDIS-EcoTab**

Revision date: 12.12.2022

Product code: j5611\_sd

Page 5 of 8

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density (at 20 °C):

not determined

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:

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**

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.

## Safety Data Sheet

according to UK REACH Regulation

### ARCANDIS-EcoTab

Revision date: 12.12.2022

Product code: j5611\_sd

Page 6 of 8

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
15630-89-4	Sodium percarbonate				
	oral	LD50 1034 mg/kg	Rat	Information taken from reference works and the literature.	
	dermal	LD50 >2000 mg/kg	Rabbit	OECD 402	
1344-09-8	Silicid acid, sodium salt				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rat		

#### Irritation and corrosivity

Causes serious eye irritation.

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

#### Sensitising effects

Contains Protease, Amylase. May produce an allergic reaction.

#### 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.

This product has no known eco-toxicological effects.

#### 12.2. Persistence and degradability

The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

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

**ARCANDIS-EcoTab**

Revision date: 12.12.2022

Product code: j5611\_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.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Cardboard boxes can be transported/delivered to local recycling facilities.  
Recycling is preferred to disposal or incineration.

**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

**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 75

**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

**Safety Data Sheet**

according to UK REACH Regulation

**ARCANDIS-EcoTab**

Revision date: 12.12.2022

Product code: j5611\_sd

Page 8 of 8

(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)**

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
EUH208	Contains Protease, Amylase. May produce an allergic reaction.

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