REV. 01 - 02/2024
PRINTING DATE - FEBRUARY 2024

CLEANDEK

Section 1
Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: CLEANDEK
UFI: 5XWX-708C-Q00R-6M0Q

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

Uses advised against: No further relevant information available.
Application of the substance / the mixture: Cleaning agent/ Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer:
AKEMI chemish technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg

Supplier of the safety data sheet:
Cosentino Global S.L.U.
Ctra. A334 Baza-Huércal Overa, km 59
04850 Cantoria (Almería) Spain
Phone: +34 950 444 175
E-mail: info@cosentino.com
Website: www.cosentino.com

1.4 Emergency telephone number

Chemtel worldwide: +1-813-248-0585
United States 1-800-255-3924 (toll free)
Australia: 1-300-954-583
China: 400-120-0751
India: 000-800-100-4086
Mexico: 01-800-099-0731
Brazil: 0-800-591-6042

For information on the emergency telephone numbers of national authorities in the EU, please consult:
https://echa.europa.eu/documents/10162/2322249/emergency_phone_numbers_en.pdf

Section 2
Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms


GHS05

Signal word: Danger

Hazard-determining components of labelling:
Alcohols, C13-C15 branched and linear, ethoxylated

Hazard statements
H318 Causes serious eye damage.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
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.

Additional information:
Contains isoeugenol. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

Determination of endocrinedisrupting properties:
For information on endocrine disrupting properties see section 11.

Section 3
Composition/information on ingredients

3.1 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 157627-86-6
Alcohols, C13-C15 branched and linear, ethoxylated (12,5-25%)
Eye Dam. 1, H318 Acute Tox. 4, H302 Aquatic Chronic 3, H412
EC number: 935-523-1
Reg.nr.: 02-2119548515-35-0000

CAS: 112-34-5
2-(2-butoxiethoxi)etanol (<12,5%)
Eye Irrit. 2, H319
EINECS: 203-961-6
Index number: 603-096-00-8
Reg.nr.: 01-2119475104-44-xxxx
02-2119751533-40-0000

CAS: 37199-81-8
Maleic acid, polymer with diisobutene, sodium salt (1-5%)
Eye Irrit. 2, H319

CAS: 97-54-1 Isoeugenol
Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, (<1%)
H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317
EINECS: 202-590-7
Index number: 04-094-00-X
Specific concentration limit: Skin Sens. 1A; H317: C ≥0,01 %

Regulation (EC) No 648/2004 on detergents / Labelling for contents:
non-ionic surfactants: ≥15 - <30%
perfumes, 4-tert-butylcyclohexyl acetate <5%

Additional information:
For the wording of the listed hazard phrases refer to section 16.

Section 4
First aid measures

4.1 Description of first aid measures

General information:
Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.

After inhalation:
Supply fresh air; consult doctor in case of complaints.

After skin contact:
Rinse with warm water.
Immediately wash with water and soap and rinse thoroughly.

After eye contact:
Rinse opened eye for several minutes under
running water. Then consult a doctor.

After swallowing:
If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5
Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:
Water with full jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:
No special measures required.

Section 6
Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage
into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Dispose of the material collected according to regulations.
Absorb with liquid-binding material (sand, diatomite,
acid binders, universal binders, sawdust).
Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7
Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Information about fire - and aexplosion protection:
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:
No special requirements.

Information about storage in one common storage facility:
Not required.

Further information about storage conditions:
Protect from frost.

Storage class: 12

7.3 Specific end use(s)

No further relevant information available.

Section 8
Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

LEP 112-34-5 2-(2-butoxyethoxy)ethanol

IOELV	Short-term value: 101.2 mg/m³, 15 ppm Long-term value: 67.5 mg/m³, 10 ppm

DNELs 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL (long-term - repeated); 6,25 mg/kg bw/day (BEV).
Dermal	DNEL (long-term - repeated), 83 mg/kg bw/day (ARB); 50 mg/kg bw/day (BEV).
Inhalative	DNEL (short-term - acute); 101,2 mg/m³Air (ARB); 7,5 mg/m³ Air (BEV); DNEL (long-term - repeated); 67,5 mg/m³ Air (ARB); 40,5 mg/m³ Air (BEV)

PNEC: 112-34-5 2-(2-butoxyethoxy)ethanol

PNEC (wässrig):	200 mg/l (KA); 0,11 mg/l (MW) 1,1 mg/l (SW); 3,9 mg/l (WAS)
PNEC (fest):	0,32 mg/kg Dry weight (BO); 0,44 mg/kg Dry weight (MWS); 4,4 mg/kg Dry weight (SWS)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls:
No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.

Respiratory protection:
Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:
Butyl rubber, BR. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material:
Value for the permeation: Level ≤ 6, 480 min
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:
Butyl rubber, BR

As protection from splashes gloves made of the following materials are suitable:
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR

Not suitable are gloves made of the following materials:
Natural rubber, NR
Leather gloves
Strong material gloves

Eye/face protection:

Tightly sealed goggles

Section 9
Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Colour: Light yellow
Odour: Characteristic
Melting point/freezing point: Undetermined.
Boiling point or initial boiling point and boiling range: 100 °C
Lower and upper explosion limit:
Lower: 0,9 Vol % - **Upper:** 5,9 Vol %
Flash point: Not applicable.
Auto-ignition temperature: 225 °C
pH at 20 °C: 10

Viscosity
Kinematic viscosity at 20 °C: 13 s (DIN 53211/4)
Dynamic: Not determined.
Solubility water: Fully miscible.
Vapour pressure at 20 °C: 23 hPa

Density and/or relative density
Density at 20 °C: 1,02 g/cm^3

9.2 Other information

Appearance
Form: Fluid

Important information on protection of health and environment, and on safety.
Ignition temperature: Product is not selfigniting.
Explosive properties: Product does not present an explosion hazard.

Solvent content
Organic solvents: 12,1 %
Water: 66,6 %
Solids content: 27,4 %

Information with regard to physical hazard classes
Explosives: Void
Flammable gases: Void
Aerosols: Void
Oxidising gases: Void
Gases under pressure: Void
Flammable liquids: Void
Flammable solids: Void
Self-reactive substances and mixtures: Void
Pyrophoric liquids: Void
Pyrophoric solids: Void
Self-heating substances and mixtures: Void
Substances and mixtures, which emit flammable gases in contact with water: Void
Oxidising liquids: Void
Oxidising solids: Void
Organic peroxides: Void
Corrosive to metals: Void
Desensitised explosives: Void

Section 10
Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Section 11
Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50	>3.340-11.133 mg/kg (rat)

57627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

Oral LD50	>600-2.000 mg/kg (rat) (OECD 401)
Dermal LD50	LD50 >2.000 mg/kg (rat) (OECD 402) 48h 1-10 mg/l (Oncorhynchus mykiss)

112-34-5 2-(2-butoxiethoxi)etanol

Oral LD50	2.410 mg/kg (mouse) (OECD 401) >2.000 mg/kg (rat)
Dermal LD50	2.410 mg/kg (mouse) (OECD 401) 2.764 mg/kg (rbt) (OECD 402)

97-54-1 Isoeugenol

Oral LD50	1.560 mg/kg (rat)
Dermal LD50	1.100 mg/kg (ATE)

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

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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

Information on other hazards:118-58-1 salicilato de bencilo

Section 12
Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

EC50/48h	1-10 mg/l (daphnia magna)
EC10	>1.000 mg/l (BES)
EC50/72h	1-10 mg/l (Scenedesmus subspicatus)

157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

EC50/24h	2.850 mg/l (daphnia magna) (DIN 38412)
EC50/96h	>100 mg/l (Desmodesmus subspicatus) >100 mg/l (Scenedesmus subspicatus)
EC10/16h	1.170 mg/l (pseudomonas putida)
EC5	73 mg/l (Entosiphon sulcatum)
EC50/48h	>1.000 mg/l (BES)
EC50/72h	1.101 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC	>100 mg/kg (Desmodesmus subspicatus)
EC10	>1.995 mg/l (Sludge: inhibition of respiration/ inhibition of propagation)
EC50/72h	>100 mg/l (Desmodesmus subspicatus)
LC50/96h	1.300 mg/l (lepomis macrochirus) (OECD 203) >100 mg/l (Leuciscus idus) 1.150 mg/l (poecilia reticulata)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects

Additional ecological information
General notes:
Must not reach sewage water or drainage zitch undiluted or unneutralised.
Do not allow product to reach ground water, water course or sewage system.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous forwater

Section 13
Disposal considerations

13.1 Waste treatment methods

Recommendation:
Must not be disposed together with household garbage.
Do not allow product to reach sewage system.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

European waste catalogue

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	Separately collected fractions (except 15 01)
20 01 29*	Detergents containing hazardous substances

Uncleaned packaging:
Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleansing agents:
Water, if necessary together with cleansing agents.

Section 14
Transport information

14.1 UN number or ID number
ADR, ADN, IMDG, IATA: suprimido

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA: Void
Class

14.4 Packing group
ADR, IMDG, IATA: Void

14.5 Environmental hazards
Marine pollutant: No

14.6 Special precautions for user
Not applicable.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

Transport/Additional information:
Not dangerous according to the above specifications.
UN "Model Regulation": Void

Section 15
Regulatory information

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

Directiva 2012/18/UE
Named dangerous substances - ANNEX I
None of the ingredients is listed.

REGULATION (EC) No 1907/2006 - ANNEX XVII
Conditions of restriction: 3, 55

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

National regulations
Waterhazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients is listed.

VOC EC: 122,9 g/l

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Section 16
Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substancez
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3