



SAFETY DATA SHEET

according to Reg. (EC) No 1907/2006 modified by Reg. (EU) No 2020/878

SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: KLINIKO-MED disinfectant & cleaner

1.2. Relevant identified uses of the mixture: biocidal product, product types: 2 and 4, for professional use

Microbiological spectrum: bactericidal (including MRSA), fungicidal, virucidal and tuberculocidal activity

Active substances: alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride (ABDAC/BKC)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine).

Uses advised against: other than above

1.3. Details of the supplier of the safety data sheet: CLEAN CENTER KFT.

Address: H-1164 Budapest, Csókakő u. 35.

Phone number: +36 20583 4371

E-mail: info@cleancenter.hu Website: www.cleancenter.hu

E-mail address for a competent person responsible for the safety data sheet: vincze.laszlo@cleancenter.hu

1.4. Emergency telephone numbers: Hungarian Health & Toxicological Information Service:

Working hours: +36 1 4766464 24 hrs service: +36 80 201199

Poison Control Centres in EU: <https://poisoncentres.echa.europa.eu/appointed-bodies>
<https://echa.europa.eu/hu/support/helpdesks>

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the mixture: the product is a **hazardous mixture** according to manufacturer and in compliance with Reg. (EC) No 1272/2008 and its modifications.

Classification:		Hazard class	Category
Physical hazard:	not classified		
Health hazard:	Acute Tox. (oral) 4	Acute toxicity (oral)	4
	Skin Corr. 1A	Skin corrosion/irritation	1B
	Eye Dam. 1	Serious eye damage/eye irritation	1
Environmental hazard ¹ :	Aquatic Acute 1	Short term (acute) hazard to the aquatic environment	1
	Aquatic Chronic 2	Long term (chronic) hazard to the aquatic environment	2

Hazard statement of the hazards/risks of the mixture:

Skin Corr. 1A H314: Causes severe skin burns and eye damage.
Eye Dam. 1 H318: Causes severe eye damage
Acute Tox. 4 (oral) H302: Harmful if swallowed.
Aquatic Acute 1 H400: Very toxic to aquatic life.
Aquatic Chronic 2 H411: Toxic to aquatic life with long lasting effects

2.2. Label elements

Pictograms: GHS05, GHS07, GHS09



Signal word: DANGER

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

¹ In case of Aquatic Acute 1 and Aquatic Chronic 2 hazard the associated hazard statement of H410 is used on the label



P280 Wear protective gloves, protective clothing, eye protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER, doctor if you feel unwell.
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 or 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.
P314 Get medical attention if you feel unwell.
P391 Collect spillage.
P405 Store locked up.

3.2. Other hazards

The product does not contain any PBT, vPvB components according to the criteria of Annex XIII of REACH Regulation. The components of the product are not included in the databases of chemicals identified as endocrine disruptors and chemicals with endocrine disrupting properties. The product does not contain ingredients listed on the candidate list of SVHC substances published by the European Chemicals Agency: <https://echa.europa.eu/en/candidate-list-table>

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance: does not apply.

3.2. Mixture: the product is a mixture, aqueous solution.

Hazardous components which must be listed according to Reg. (EU) No 2020/878 are listed in the table below.

Hazardous components	Concentration w/w%	Hazard class, hazard category, H-statement
Alkyl(C ₁₂₋₁₆) dimethylbenzylammonium chloride* CAS No: 68424-85-1 EC No: 270-325-2 REACH Reg No: 01-2119970550-39-xxxx	15%	Met. Corr. 1, H290; Acute Tox. 4 (oral), H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400, M _(acute) : 10 Aquatic Chronic 1, H410, M _(chronic) : 1
Edetic acid (EDTA) CAS No: 60-00-4 EC No: 200-449-4 Index No: 607-429-00-8 REACH Reg No: 01-2119486762-27-xxxx	5 – 15%	Eye Irrit. 2, H319
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)** CAS No: 2372-82-9 EC No: 219-145-8 REACH Reg No: 01-2119980592-29-xxxx	5%	Acute Tox. 3 (oral), H301; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT RE 2, H373; Aquatic Acute 1, H400, M _(acute) : 10 Aquatic Chronic 1, H410, M _(chronic) : 1

* It is the active substance of the product (other CAS numbers exist: 85409-22-9, 8001-54-5), no harmonized classification is available, classification is given according to safety data sheet provided by manufacturer/supplier.

** The other components (water, non-ionic surfactant, perfume, etc.) are not hazardous, or their concentrations are low enough not to be taken into consideration in the classification and labelling of the product according to the relevant regulations.

Hazard classes, H-statements relate to pure components. Hazard classification of the product is given in Section 2.

Full texts of the H-statements and hazard classes, categories are listed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

Fast and professional first aid measures can largely diminish progress and severity of the symptoms.

General information: If toxic symptoms develop or suspicion of intoxication arises the work should be immediately discontinued. Immediately move affected person away from the source of exposure to fresh air or to a well-ventilated room and after on-site first aid medical attention should be provided.

Never give drink and never induce vomiting if the victim is unconscious or suffers from convulsions.

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Eye contact: Flush eyes with large amount of lukewarm water holding the eyelids wide open and moving eyeballs continuously for at least 15 minutes. After first aid immediately seek ophthalmologist.

Skin contact: Wash off thoroughly the affected skin with running water. Contact a physician if burns cover large area or deep.



If swallowed: DO NOT INDUCE vomiting! Take care to avoid the risk of foam aspiration. If vomiting occurs, keep head low so that stomach content does not get into lungs. Wash out mouth cavity with water if the victim is conscious. Let conscious person drink plenty of water.

Protection of first aiders: First aid personnel should wear appropriate protective equipment if there is risk of eye and skin contact.

4.2. Most important symptoms and effects, both acute and delayed: May cause skin burns and eye damage. Symptoms may become worse if first aid was not thorough enough.

4.3. Indication of any immediate medical attention and special treatment needed: Severity of the symptoms vary depending on the concentration and length of exposure.

Note to the physician: treat according to symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media: water spray, water fog, dry powder, carbon-dioxide.

Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: strong water jet

5.2. Special hazards arising from the substance or mixture: In fire toxic gases can be formed: carbon oxides, nitrogen oxides.

5.3. Advice for firefighters: adapt firefighter protective equipment to surrounding fire. Wear self-contained breathing apparatus, and full protective gear in case of chemical fire. Use water spray to keep fire-exposed containers cool.

Do not allow contaminated firefighting water to enter sewer, surface water, or ground water systems.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedure

Take care of risk of slipping. Personal protective equipment is required (protective gloves, protective clothes and safety glasses) during decontamination. Refer to protective measures listed in Section 8.

The risk zone must be closed down and the decontamination must be performed by trained persons equipped with protective equipment. Avoid any exposure to the product.

6.1.1. For non-emergency personnel: do not touch and walk into spilled material.

6.1.2. For emergency responders: Keep unnecessary and unprotected persons away from the spillage. Wear protective equipment as given in Section 8. Prevent further leakage or spillage if safe to do so. Take care of the risk of slipping.

6.2. Environmental precautions: Prevent entry into drains or water-bodies. Prevent spilled material without treatment from entering soil, sewers, drains, and natural waterways. Dispose of waste in accordance with local, national regulations of hazardous waste. Inform authorities if large amount is involved.

6.3. Methods and material for containment and cleaning up: In the event of a major spillage, absorb large quantities into inert material with extreme absorbing properties, such as sand, earth, diatomaceous earth, vermiculite. Put contaminated sorbent in labelled containers, keep it closed and dispose according to national regulations. Residues should be cleaned up by washing with plenty of water.

In case of minor spillage, the usual clean-up methods are suitable, flush small spills with plenty of water.

6.4. Reference to other sections: see also Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations on the label.

Handle in accordance with usual practice of handling chemicals.

Work watchfully to avoid splashing, spilling, contact of skin and eyes.

There is risk of slipping on the floor. The product should not be used in undiluted form.

Do not mix with other household cleaning and disinfecting products.

Hygiene measures: Do not eat, drink or smoke while handling. Wash hands thoroughly after handling. Take off the contaminated, soaked clothing. Wash off the affected skin with running water.

Fire and explosion protection: no special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities:

Store in the original packaging upright, in a cool, dry, well-ventilated, frost-free area.

Keep away from food, drinks and feed. Protect from direct sunlight.

Keep out of reach of children and pets.

Recommended storage temperature: 5 – 30°C.



Consider storage conditions during transport.
Shelf life: 24 months from date of manufacture, if it is stored properly.

7.3. Specific and uses(s): see Section 1.2. Cleaning and disinfection washable surfaces (floor, wall, equipment, covers, blankets, etc.) in healthcare, institutional area, in food industry, catering, canteens, etc. User category: professional. Users should always read the instructions for use and follow the instructions for safe handling and use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters/Occupational exposure limits

No occupational exposure limit in air is set up on ingredients of the product.

DNELs and PNECs for alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride

Workers: DNEL (long term exposure via inhalation route, systemic effect): 3.96 mg/m³

DNEL (long term exposure via dermal route, systemic effect): 5.7 mg/kg bw/day

General population: DNEL (long term exposure via inhalation route, systemic effect): 1.64 mg/m³

DNEL (long term exposure via dermal route, systemic effects: 3.4 mg/kg bw/day

DNEL (long term exposure via oral route, systemic effect): 3.4 mg/kg bw/day

PNEC (fresh water): 0.001 mg/L; PNEC (marine water): 0.001 mg/L

PNEC (STP): 0.4 mg/L; PNEC (soil): 7 mg/kg dw

PNEC (freshwater sediment): 12.27 mg/kg dw

PNEC (marine water sediment): 13.09 mg/kg dw

DNELs and PNECs for N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Workers: DNEL (long term exposure via inhalation route, systemic effect): 2.35 mg/m³

DNEL (long term exposure via dermal route, systemic effects): 0.91 mg/kg bw/day

General population: DNEL (long term exposure via inhalation route, systemic effect): 0.7 mg/m³

DNEL (long term exposure via dermal route, systemic effect): 0.54 mg/kg bw/day

DNEL (long term exposure via oral route, systemic effect): 0.2 mg/kg bw/day

PNEC (fresh water): 0.001 mg/L; PNEC (marine water): 0.0001 mg/L

PNEC (STP): 1.33 mg/L; PNEC (soil): 45.34 mg/kg dw

PNEC (freshwater sediment): 8.5 mg/kg dw

PNEC (marine water sediment): 0.85 mg/kg dw

8.2. Exposure controls

Care must be taken to prevent exposure to the product, general occupational and hygiene measures should be kept during handling the product. Workers should be aware that the concentrated product can cause serious eye damage and skin burns.

Engineering controls

- Ensure that the usual protective measures of handling chemicals are kept.
- Careful work is required to avoid spilling on the floor, clothing, contact to skin and eyes.
- Provide appropriate personal protective equipment, eye-wash bottle or eye-wash fountain, emergency shower.

Hygiene measures

- Do not eat, drink or smoke while handling.
- Wash hands thoroughly after handling.

Personal protective equipment

- **Eye/face protection:** wear safety glasses/goggles in case of industrial operations, decontamination, handling large quantities, mixing and loading, etc. Personal protective equipment for eye protection should comply with EN 166 standard. Keep eyewash bottle ready and easily accessible at the workplace.
- **Hand and skin protection:** wearing resistant gloves (e.g. nitrile rubber) complying with EN 374 standards and working clothes are necessary when handling large quantities, during decontamination, industrial operations, mixing, and loading, etc. When choosing safety gloves take in consideration the expected exposure to the product (short or long, mechanical stress, risk of full contact, risk of splash etc.), breakthrough time, breakdown parameters. Parameters may vary depending on the manufacturers.
After skin contact with concentrated product, wash immediately with running water.
- **Respiratory protection:** not necessary.
- **Thermal hazard:** not relevant.

Environmental exposure controls: Observe handling, loading and storage measures. Large quantities should be stored to prevent from entering watercourses, soil, sewerage system. Avoid release into sewers, drains.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- a) Physical state: liquid
Appearance: homogenous, clear, translucent
b) Colour: colourless-pale yellow
c) Odour: perfumed
Odour threshold: no data available
d) Melting point/freezing point: no data for the mixture
alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: no data
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: 9°C
e) Boiling point/ initial boiling point/range: no data for the mixture
alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: 102°C
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: >280°C
f) Flammability: not flammable
g) Lower or upper explosion limit: not relevant, mixture does not show explosion hazard
h) Flash point: >100°C, predicted value, mixture is an aqueous solution
i) Auto ignition temperature: the mixture does not auto ignite
j) Decomposition temperature: no data
k) pH: cc 10.5 (20°C)
l) Kinematic viscosity: not determined
m) Solubility: indefinitely with water
n) Partition coefficient/logP_{o/w}: not relevant, the product is a mixture
alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: 0.5
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: 4.46
o) Vapour pressure: no data for the mixture
alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: 3.2 hPa (20°C)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: 54.5 µPa (25°C)
p) Density/relative density: 1.01 g/cm³ (20°C)
q) Relative vapour density: no data for the mixture; no data for the ingredients
r) Particle characteristics: not relevant, the mixture is liquid

data for the components are from their SDS

9.2. Other information

- Explosive properties: not considered to be explosive
Oxidizing properties: not considered to have oxidizing properties

9.2.1. Information with regard to physical hazard classes: classification into physical hazard classes is not necessary according to the composition.

9.2.2. Other safety characteristics: not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: not reactive.

10.2. Chemical stability: stable if it is handled and stored according to instructions.

10.3. Possibility of hazardous reactions: not known.

10.4. Conditions to avoid: heat, frost, mixing with incompatible materials.

10.5. Incompatible materials: do not mix with other household cleaning products and disinfecting agents.

10.6. Hazardous decomposition products: not known at normal use and storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

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

No toxicological study was performed with this product.

Classification of the product is based on composition and classification of ingredients.

Acute toxicity (oral, dermal and inhalation): it is considered as harmful if swallowed (Acute Tox. (oral) 4) according to ATE_{mix} value (1250 mg/kg bw), but it is not classified as harmful if in contact with skin and if inhaled.

Alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: oral LD₅₀ (rat): 426 mg/kg bw
oral LD₅₀ (rat): 795 mg/ttkg bw (OECD 401)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: oral LD₅₀ (rat): 261 mg/kg bw
dermal LD₅₀ (rat): > 600 mg/kg bw



Skin corrosion/irritation: based on composition the product is considered to be corrosive, classification into hazard class Skin Corr. 1A is necessary.

Serious eye damage/eye irritation: based on available data classification criteria are met. The product can cause serious eye damage; classification: Eye Dam. 1.

Respiratory or skin sensitization: sensitization is not expected based on the available data and information of the ingredients.

Carcinogenicity: classification criteria are not met for carcinogen hazard class based on the information and data of ingredients. None of the components is classified as carcinogen.

Germ-cell mutagenicity: based on available data classification criteria are not met, components are not mutagenic.

Reproductive toxicity: not known, based on available data and information classification criteria are not met. None of the components has reproductive toxicity.

Specific target organ toxicity single exposure (STOT SE): based on information on the ingredients the classification criteria are not met.

Specific target organ toxicity repeated exposure (STOT RE): based on information on the ingredients the classification criteria are not met as concentration of N-(3-aminopropyl)-N-dodecylpropane-1,3-diamin is much lower than the concentration limit that would trigger classification of a mixture as STOT RE 2.

Aspiration hazard: not anticipated to present aspiration hazard based on composition.

11.2. Information on other hazards: Ingestion of large quantities may cause nausea, stomach pain and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no ecotoxicological study was performed. Due to the concentration and M-factors of alkyl (C₁₂₋₁₆) dimethylbenzylammonium chloride and N-(3-aminopropyl)-N-dodecylpropane-1,3-diamin the product is very toxic to aquatic life with long lasting effects according to Table 4.1.1 and 4.1.2. in Reg. (EC) No 1272/2008.

Data for alkyl (C₁₂₋₁₆) dimethylbenzyl ammonium chloride:

EC₅₀ (*Daphnia magna*, 48 h): 0.016 mg/L – EU C.2.
ErC₅₀ (*Daphnia magna*, 48 h): 0.03 mg/L – OECD 201
NOEC (*Daphnia magna*, 21 d): 0.025 mg/L – OECD 211
LC₅₀ (fish, 96 h): 0.515 mg/L, NOEC (28 d): 0.0322 mg/L

Data for N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

EC₅₀ (*Lepomis macrochirus*; *Oncorhynchus mykiss*, 96 h): 0.45 – 0.68 mg/L
ErC₅₀ (*Daphnia magna*, 48 h): 0.073 mg/L
NOEC (*Daphnia magna*, 21 d): 0.024 mg/L
ErC₅₀ (*Pseudokirchneriella subcapitata*, 72 h; 96 h): 0.012 – 0.054 mg/L
LC₅₀ (fish, 96 h): 0.515 mg/L, NOEC (28 d): 0.0322 mg/L

12.2. Persistence and degradability: the surfactant(s) contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: 95% (28 day) – OECD 301B; 63% (28 day) – OECD 301D

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine: > 79%, 28 day

12.3. Bioaccumulative potential: not expected based on logP_{o/w} values of the components.

Alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride: logP_{o/w}: 0.5 – 2.75 and BCF: 67 – 160

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamin: logP_{o/w}: 0.34 – 0.66

Edetic acid: logP_{o/w}: - 3,86

12.4. Mobility in soil: likely mobile.

12.5. Results of PBT- and vPvB assessment: not available for all components. alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride is not PBT, and vPvB substance, but toxic to aquatic environment.

12.6. Endocrine disrupting properties: components are not included in the endocrine disruptor and potential endocrine disruptor databases. Alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride has no ED properties with respect to humans and with respect to non-target organism no conclusion can be drawn based on the available data according to the adopted BPC opinions.²

12.7. Other adverse effects: not known.

² Opinion on the application for approval of the active substance: Alkyl(C₁₂₋₁₆) dimethylbenzylammonium chloride; Product type: 4
ECHA/BPC/268/2020; Adopted 6 October 2020



SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The generation of waste should be minimised or avoided wherever possible.

This product and its container must be disposed of in a safe way.

Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and national authority requirements.

When handling waste, the safety precautions applying to handling of the product should be considered.

Do not empty waste into drains, rivers, watercourses, ponds, standing waters, natural waterways.

Contact your sales representative or local environmental or health authorities for approved disposal methods.

EWC codes may vary depending on place of use, circumstances of waste generation, e.g.: 07 06 01* or 20 01 29*

EWC code of packaging material that has been thoroughly cleaned with water: 15 01 02

SECTION 14: TRANSPORT INFORMATION

According to the international transport (ADR/RID, IMDG and ICAO/IATA) regulations the product is **dangerous goods**.

14.1. UN number or ID number: 1903

14.2. UN proper shipping name: DISINFECTANT LIQUID, CORROSIVE, N.O.S. (contains: KLINIKO-MED disinfectant & cleaner).

14.3. Transport hazard class(es): 8

ADR/RID: Special provisions: 274, Classification code: C9

Hazard identification No: 80, Labels: 8

Hazard Bar Code: 8 + Environmental ("fish-wood"),

Transport category: 3 Tunnel restriction code: (E)

Limited quantities: 5 L, Excepted quantities: E1

IMDG: EmS: F-A, S-B

14.4. Packing group: III

14.5. Environmental hazards: yes, marine pollutant, Aquatic Acute 1 – hazardous to the aquatic environment, acute hazard; (KLINIKO-MED disinfectant & cleaner).

14.6. Special precautions for users:

14.7. Special precautions for users: Transport within the user's premises: always in a closed container in an upright position. The personnel carrying out the transport should be aware of what to do in the event of an accident or spillage.

14.8. Maritime transport in bulk according to IMO instruments: not relevant

SECTION 15: REGULATORY INFORMATION

15.1. Safety health and environmental regulations/legislation specific for mixture

Relevant European Acts

Use biocides safely. Always read the label and product information before use.

The product is not covered by Reg. (EC) No 1005/2009 on substances that deplete the ozone layer.

The product is not covered by Reg. (EU) No 2019/1021 on persistent organic pollutants.

Regulation (EU) No 528/2012 of the European parliament and of the Council concerning the making available on the market and use of biocidal products and its modifications

Regulation (EU) No 1062/2014 on the work programme for systematic examination of all existing active substances contained in biocidal product referral to in Reg (EU) No 528/2012

Commission Implementing Regulation (EU) No 2021/1063 approving alkyl (C12-16) dimethylbenzyl ammonium chloride as an active substance for use in biocidal products of product-types 3 and 4

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and its modifications

Regulation (EC) No 1272/2008 and of the European Parliament and of the Council on Classification, labelling and packaging of substances and mixtures and its modifications

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work and its modifications: <https://echa.europa.eu/hu/cad-and-cmd-legislation>

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste



15.2. Chemical safety assessment: has not been carried out.

SECTION 16: OTHER INFORMATION

The safety data sheet applies to the delivered product.

The information contained in the safety data sheet is correct to our best knowledge on the date of issue; it is intended as a guide for safe use, handling, disposal, storage and transport of the delivered product. Safety data sheet does not replace product specification.

The information contained in the safety data sheet does not represent a guarantee of product properties nor does it create any legal obligation.

Consumers, users themselves are responsible for the risks and hazards resulting from the use of the product. Manufacturer, distributor do not assume any warranty or responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected to the handling, storage, use or disposal of the product because conditions of application, handling, storage, use or disposal of the product is beyond their control.

Training recommendation: In the annual occupational safety training workers should be informed about the hazards of handling chemicals and the general safety and health protection measures.

SAFETY DATA SHEET SHOULD ALWAYS BE AVAILABLE FOR WORKERS AT HAND.

Classification of the mixture: the product is classified by calculations methods. Evaluation is in accordance of Article 9 (1) of Reg. (EC) No 1272/2008; the criteria for classification for each hazard class or differentiation are applied according to Parts 2 to 5 of Annex I. of Reg. (EC) No 1272/2008.

Full text of H-statements and hazard classes, codes for the pure substance(s) referred to in Section 3:

Acute Tox.: acute toxicity, Aquatic Acute: hazardous to the aquatic environment, acute hazard; Aquatic Chronic: hazardous to the aquatic environment, chronic hazard; Eye Dam.: serious eye damage; Skin Corr.: skin corrosion; STOT RE: specific target organ toxicity, repeated exposure.

H302	Harmful if swallowed.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Other abbreviations

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE _{mix}	Acute Toxicity Estimate
BCF	bioconcentration factor
BPC	Biocidal Product Committee
CAS	Chemical Abstract Service, number for the identification of chemical substances
CLP	Classification, Labelling, Packaging –used as abbreviation of Regulation (EC) No 1272/2008
EC ₅₀	50% of maximal Effective Concentration
ECHA	European Chemicals Agency
EDS	Endocrine Disruptor Substance
EWC	European Waste Catalogue
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization Technical Instruction for the Safe Transport of Dangerous Goods by Air
IMDG	International Maritime Dangerous Goods Code
M	multiplying factor, it is used to derive by summation method the classification of mixtures
LC ₅₀	lethal concentration to 50% of a test population (median lethal concentration)
LD ₅₀	Lethal dose to 50% of a test population (median lethal dose)
logP _{o/w}	logarithm of n-octanol-water partition coefficient (K _{o/w})
M _(acute)	M-factor of aquatic acute toxicity
M _(chronic)	M-factor of aquatic chronic toxicity
NOEC	No Observed Effect Concentration



OECD Organisation for Economic Co-operation and Development
PBT persistent, bio accumulative and toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals, Reg. 1907/2006/EC
REACH reg. No.: REACH registration number
RID Dangerous Goods Regulations – International Carriage of Dangerous Goods by Rail
STP Sewage Treatment Plant
SVHC Substance of Very High Concern
vPvB very Persistent and very Bio accumulative
w/w% weight/mass concentration

History: This safety data sheet (version: 2.0-EN) is issued 21 November 2023.

Occupational safety advice for safe use of the product: +36 2 0582 4371 (9:00 – 14:00 on weekdays)

Safety data sheet can be downloaded from site: <http://adatlapok.cleancenter.en/biztonsagiadatlapok/>