

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

SECTION 1. Identification of the substance/mixture and of the company/undertaking



| | | |
|------|---|--|
| 1.1. | Product identifier | |
| | Trading name: | CLEAN LENS, SOLUTION 2 |
| | Chemical name: | - |
| | Catalogue number: | CL2-OT-X** |
| 1.2. | Relevant identified uses of the substance or mixture and uses advised against | |
| | Uses: | Solution for cleaning microscope lens and removing immersion oil from stained slide after using microscope. |
| | Uses advised against: | Only the identified uses are advised. |
| | Reason why uses advised against: | The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes. |
| 1.3. | Details of the supplier of the safety data sheet | |
| | Supplier: | BioGnost Ltd. |
| | Address: | Medjugorska 59, Zagreb |
| | Telephone number: | +385 1 2409997 |
| | Fax no.: | +385 1 2404039 |
| | e-mail of competent person: | msds@biognost.hr |
| | National contact person: | - |
| 1.4. | Emergency telephone number | |
| | National Protection and Rescue Directorate: | 112 |
| | Medical information: | +385 1 2348 342 |
| | Other information: | - |

SECTION 2. Hazards identification

| | | |
|--------|--|---------------------|
| 2.1. | Classification of the substance or mixture | |
| 2.1.1. | Classification (REGULATION (EC) No. 1272/2008 (CLP)) | |
| | Hazard class and category code: | Hazard statements*: |
| | Flam. Liq. 1 | H224 |
| | Acute. Tox. 4 | H302 |
| | Eye Irrit. 2 | H319 |
| | STOT SE 3 | H336 |
| 2.1.2. | Additional information | |
| | EUH019 | |
| | EUH066 | |

*For full text of Hazard- and EU Hazard-statements: see Section 16

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | |
|------|---|--|
| 2.2. | Label elements | |
| | Product identification: | CLEAN LENS, SOLUTION 2 |
| | Identification number: | - |
| | Authorization no.: | - |
| | Hazard pictograms: |   |
| | | GHS02 GHS07 |
| | Signal word: | Danger |
| | Warning statements: | H224 Extremely flammable liquid and vapour. H302 Harmful if swallowed. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH019 May form explosive peroxides. EUH066 Repeated exposure may cause skin dryness or cracking. |
| | Precautionary statements: | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. |
| | Further information: | - |
| 2.3. | Other hazards | |
| | No known endocrine disrupting properties. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. | |

| SECTION 3. Composition/information on ingredients | | | | |
|---|---------------------------------|-----------------------------------|---------------------|--|
| CAS/ EC/ Index no. | REACH registration number | Weight % content (or range) | Identification name | Classification (REGULATION) (EC) No 1272/2008 (CLP) |
| 60-29-7/ 200-467-2/ 603-022-00-4 | - | 80 – 100 % | diethyl ether | Flam. Liq. 1; H224 Acute. Tox. 4; H302 STOT SE 3; H336 |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | | | |
|--|---|-----------|-------------|---|
| 67-63-0/ 200-661-7/ 603-117-00-0 | - | 15 - 25 % | propan-2-ol | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 |
|--|---|-----------|-------------|---|

SECTION 4. FIRST AID MEASURES

| | | |
|------|--|--|
| 4.1. | Description of first aid measures | |
| | General notes: | Remove contaminated clothes. Take the afflicted person away from contaminated area. |
| | Following inhalation: | Carry the afflicted person out for fresh air, place them in half lying position and calm them down. If breathing stops, immediately apply artificial respiration. In case of any symptoms, seek medical assistance; in case of fainting, transfer the person to hospital in lateral position while maintaining the airways clear. |
| | After skin contact: | Immediately remove the clothes contaminated with the product. Immediately rinse the contaminated area with water and soap for at least 15 minutes; in case of persisting symptoms seek medical assistance. |
| | After eye contact: | Remove the lens (if the afflicted person uses them). Using clean fingers spread eyelids and rinse the eyes using mild jet of water for at least 15 minutes. In case of persisting symptoms (strong redness, burning sensation or permanent tearing), seek ophthalmologist's assistance. |
| | After swallowing: | In order to avoid aspiration into the lungs, do not induce vomiting. Rinse the mouth with water, do not provide anything to drink to the afflicted person. Do not place anything to the mouth of the unconscious person. Calm the afflicted person down and place them in the half lying position. Should spontaneous vomiting occur, keep their head under their hips in order to prevent aspiration into the lungs (breathing in). IMMEDIATELY CALL PHYSICIAN. |
| | Personal protection used by the person providing first aid measures: | - |
| 4.2. | Most important symptoms and effects, both acute and delayed | |
| | Following inhalation: | Headache, nausea, vomiting, unconsciousness, vertigo, weakness |
| | After skin contact: | Redness, irritation, drying and cracking of skin |
| | After eye contact: | Redness, tearing, pain |
| | After swallowing: | Unconsciousness, loss of coordination, stomach pain, headache, nausea, vomiting, vertigo, weakness |
| 4.3. | Indication of any immediate medical attention and special treatment needed | |
| | Treat symptomatically. | |

SECTION 5. FIREFIGHTING MEASURES

| | |
|------|---------------------|
| 5.1. | Extinguishing media |
|------|---------------------|

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | |
|------|---|---|
| | Suitable extinguishing media: | Dust, water, water spray. Adapt extinguishing to local conditions and other stored chemicals. |
| | Unsuitable extinguishing media: | Strong jet of water. |
| 5.2. | Special hazards arising from the substance or mixture | |
| | Hazardous combustion products: | May cause toxic gases liberation - carbon oxides. Fumes are heavier than air and can spread across the ground; may create explosive mixture with air. |
| 5.3. | Advice for firefighters | |
| | In case of fire use self-sustaining breathing device with independent air supply and fireproof suit. | |
| 5.4. | Additional information | |
| | Use water spray to cool the closed tanks exposed to fire. Separately collect the waste water used for extinguishing the fire. Do not release into the drainage system. Use only non-sparking tools. | |

| | | |
|---|---|---|
| SECTION 6. ACCIDENTAL RELEASE MEASURES | | |
| 6.1. | Personal precautions, protective equipment and emergency procedures | |
| 6.1.1. | For non-emergency personnel | |
| | Protective equipment: | Use personal protective equipment. Keep the persons without protective equipment away. Do not inhale vapor. Do not get in eyes or on skin. Keep away from heat and sparks. |
| | Accident prevention procedure: | Adhere to the handling measures listed in Section 7. |
| | Emergency procedures: | Use protective equipment. Remove all the persons from the place of the accident, notify the responsible persons and services. |
| 6.1.2. | For emergency responders: | |
| | Use full protective equipment. Remove the persons without protective equipment from the place of potential exposure. | |
| 6.2. | Environmental precautions: | |
| | Inform the responsible person. Prevent from spilling into sewers, waterways and draining systems. In case of larger quantities spilled to the environment, inform National protection and rescue directorate (112). | |
| 6.3. | Methods and material for containment and cleaning up | |
| 6.3.1. | Bundling, covering of drains; capping procedures: | Prevent spilling to sewers, waterways and draining system by placing absorbing barriers. |
| 6.3.2. | Cleaning up: | Collect the spilled liquid with absorbing materials (sand, soil, universal binding agents). Transfer to containers that can be tightly closed, keep in well ventilated places until disposal. Hand over the material to the legal person authorized for collecting/disposing of hazardous waste. Rinse the residues with water. |
| 6.3.3. | Other information: | Use only non-sparking tools. |
| 6.4. | Reference to other sections | |
| | Refer to Section 8 for protective equipment. Refer to Section 14 for managing waste disposal. | |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| SECTION 7. Handling and storage | | | | |
|--|---|---|--|--|
| 7.1. | Precautions for safe handling | | | |
| 7.1.1. | Protection measures | | | |
| | Measures to prevent fire: | Vapors may create explosive mix with air. Take precautions for preventing occurrence of static electricity. All equipment must be grounded during work. All devices must be explosion-proof. Keep away from sources of heat and ignition. Keep away from sources of ignition — No smoking | | |
| | Measures to prevent aerosol and dust generation: | Not applicable | | |
| | Environmental precautions: | Prevent from spilling into sewers, waterways and draining systems. | | |
| | Other measures: | - | | |
| 7.1.2. | Advice on general occupational hygiene: | | | |
| | Keep separate from food and drink. Wear protective clothes and equipment. Take off all contaminated clothing immediately. Wash hands before rest and at the end of the work day. Avoid contact with skin and eyes. Do not inhale vapor. | | | |
| 7.2. | Conditions for safe storage, including any incompatibilities | | | |
| | Technical measures and storage conditions: | Keep in places with solvent-proof floors. Keep in original packaging. | | |
| | Containers materials: | Use only manufacturer's original packaging. | | |
| | Requirements for storage rooms and vessels: | Impermeable floor. | | |
| | Advices for storage equipment: | Secure proper ventilation. Protect from light and direct heat sources. | | |
| | Other information on storage conditions: | Store in well ventilated containers and separate from oxidizing agents. | | |
| 7.3. | Specific end use(s) | | | |
| | Recommendations: | - | | |
| | Special decisions for industry sector: | For industrial and professional use only. | | |

| SECTION 8. Exposure controls/personal protection | | | | | |
|---|--------------------|---------|--|-------------------|-------------------------|
| 8.1. | Control parameters | | | | |
| | Substance | CAS No | Occupational exposure limit values/short term values | | Biological limit values |
| | | | ppm | mg/m ³ | |
| | diethyl ether | 60-29-7 | 100/200 | 308/616 | - |
| | 2-propanol | 67-63-0 | 400/500 | 999/1250 | - |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | | | |
|------------|---|---------|---|--|
| Substance: | - | | | |
| EC No: | - | CAS No: | - | |

DNEL

Industrial

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|---------------------------------------|----------------------|--|
| Oral | - | - | - | - |
| Inhalation | - | 616 mg/m ³ (diethyl ether) | - | 500 mg/m ³ (propan-2-ol) 308 mg/m ³ (diethyl ether) |
| Dermal | - | - | - | 888 mg/kg (propan-2-ol) |

Critical physical parameters: solubility, flammability, corrosivity:

Consumer

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|-----------------------|----------------------|--|
| Oral | - | - | - | 26 mg/kg bw/day (propan-2-ol) |
| Inhalation | - | - | - | 89 mg/m ³ (propan-2-ol) 54.5 mg/m ³ (diethyl ether) |
| Dermal | - | - | - | 319 mg/kg (propan-2-ol) |

PNEC

| Environmental protection target | PNEC |
|------------------------------------|--------------------------|
| Fresh water | No information available |
| Freshwater sediments | No information available |
| Marine water | No information available |
| Marine sediments | No information available |
| Food chain | No information available |
| Microorganisms in sewage treatment | No information available |
| Soil (agricultural) | No information available |
| Air | No information available |

8.2. Exposure controls

8.2.1. Engineering measures

| | |
|--|--|
| Substance/mixture related measures to prevent exposure during identified uses: | Handle and open the containers with care. Use personal protective equipment. Do not eat, drink or smoke during work. |
| Structural measures to prevent exposure: | - |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | |
|----------|---|---|
| | Organizational measures to prevent exposure: | Comply to general and special measures for working with chemicals at places where chemicals are used. Do not consume food and drink in the places of use. Wash hands and face with water after work and before daily breaks. |
| | Technical measures for preventing exposure: | Secure proper ventilation. In case of accident, devices for rinsing eyes and showers must be in the vicinity and easily accessible. |
| 8.2.2. | Individual protection measures | |
| 8.2.2.1. | Eye and face protection: | Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air. |
| 8.2.2.2. | Skin protection | |
| | Hand protection: | The protective gloves have to satisfy the specification of Regulation (EU) 2016/425 and the related standard EN 374. Full contact: Glove material: butyl rubber Glove thickness: ≥ 0.50 mm Time until perforation: > 480 min Splash contact: Glove material: nitrile rubber Glove thickness: 0.4 mm Break through time: 35 min |
| | Body protection: | During everyday work use antistatic clothing (EN 13688) and suitable footwear, such as rubber boots (EN 20345) or shoes that cover the entire foot. In case of spilling hazard, use clothing made of impermeable material suitable for protection from liquid chemicals (Viton, PVC, himex) and footwear made from the same material. |
| 8.2.2.3. | Respiratory protection: | If the concentration level exceeds the GVI values (or because of inadequate ventilation), use a filter for organic vapors, type "A" (boiling point $>65^{\circ}\text{C}$) according to EN 14387. |
| 8.2.2.4. | Thermal hazards: | No information available. |
| 8.2.3. | Environmental exposure controls | |
| | Substance/mixture related measures to prevent exposure: | See Section 6 |
| | Structural measures to prevent exposure: | Use modern equipment. |
| | Organisational measures to prevent exposure: | Adapt the work process to the required working conditions of the workplace. |
| | Technical measures for preventing exposure: | See Section 6 |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

SECTION 9. Physical and chemical properties

| | | | |
|------|---|---------------------------------|---------------------------|
| 9.1. | Information on basic physical and chemical properties | | |
| | | Value | Method |
| | Physical state: | liquid | No information available. |
| | Color: | colourless | No information available. |
| | Odour/odour threshold: | biting/no information available | No information available. |
| | Melting point / freezing point: | No information available. | No information available. |
| | Boiling point or initial boiling point and boiling range: | No information available. | No information available. |
| | Flammability: | No information available. | No information available. |
| | Lower and upper explosion limit: | No information available. | No information available. |
| | Flash point: | <0°C | No information available. |
| | Auto-ignition temperature: | No information available. | No information available. |
| | Decomposition temperature: | No information available. | No information available. |
| | pH: | No information available. | No information available. |
| | Kinematic viscosity: | No information available. | No information available. |
| | Solubility: | No information available. | No information available. |
| | Partition coefficient n-octanol/water (log value): | No information available. | No information available. |
| | Vapour pressure: | No information available. | No information available. |
| | Density and/or relative density | No information available. | No information available. |
| | Relative vapour density: | No information available. | No information available. |
| | Particle characteristics: | No information available. | No information available. |
| 9.2. | Other information | | |
| | - | | |

SECTION 10. STABILITY AND REACTIVITY

| | | |
|-------|-------------------------------------|--|
| 10.1. | Reactivity: | No information available. |
| 10.2. | Chemical stability: | Stable under normal usage conditions. |
| 10.3. | Possibility of hazardous reactions: | Contact with strong oxidants (peroxides, chromates...). |
| 10.4. | Conditions to avoid: | Exposure to sources of direct heat and sunlight. |
| 10.5. | Incompatible materials: | Mixes of nitrates or other strong oxidants (such as chlorates, perchlorates, liquid oxygen) may cause explosive mix. |
| 10.6. | Hazardous decomposition products: | Carbon monoxides. |

| | | | | |
|---------------|-------------------------------|----------------------|--------------|------------|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: 4 |

| SECTION 11. Toxicological information | | | | | |
|---|-------------------------------|---------|---|---------------|---|
| 11.1. Information on toxicological effects | | | | | |
| Acute toxicity: | | | | | |
| Route of exposure: | Method | Species | Effective dose LD ₅₀ /LC ₅₀ or ATE _{mixture} | Exposure time | Results |
| Oral exposure: | - | rat | LD ₅₀ | - | 5.840 mg/kg (2-propanol) 1.211 mg/kg (diethyl ether) |
| Skin contact: | - | rabbit | LD ₅₀ | - | 12.800 mg/kg (2-propanol) >20.000 mg/kg (diethyl ether) |
| Inhaling: | - | rat | LC ₅₀ | 4 h | 37.5 mg/l – vapor (2-propanol) 97.5 mg/l – vapor (diethyl ether) |
| Specific target organ toxicity – single exposure (STOT SE): | | | | | |
| | Specific effects | | Target organ | | Note |
| Oral exposure: | No information available | | No information available | | - |
| Skin contact: | No information available | | No information available | | - |
| Inhaling: | No information available | | No information available | | may cause drowsiness or dizziness |
| Aspiration hazard: | | | | | |
| Irritation and corrosion | | | | | |
| | Exposure time | Species | Evaluation | Method | Note |
| Skin corrosion/irritation: | - | rabbit | - | - | No skin irritation |
| Serious eye damage/irritation | - | rabbit | - | - | No eye irritation |
| Sensitization: | | | | | |
| Skin sensitization: | Does not cause sensitization. | | | | |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | |
|----------------------------|-------------------------------|
| Respiratory sensitization: | Does not cause sensitization. |
|----------------------------|-------------------------------|

| | |
|--|--|
| Symptoms related to the physical, chemical and toxicological characteristics | |
|--|--|

| | |
|----------------|--|
| Oral exposure: | Unconsciousness, loss of coordination, stomach pain, headache, nausea, vomiting, vertigo, weakness |
| Skin contact: | Redness, irritation, drying and cracking of skin |
| Inhaling: | Headache, nausea, vomiting, unconsciousness, vertigo, weakness |
| Eye contact: | Redness, tearing, pain |

| | |
|--|--|
| Repeated dose toxicity (subacute, subchronic, chronic) | |
|--|--|

| | Dose | Exposure time | Species | Method | Evaluation | Note |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Subacute oral | No information available | No information available | No information available | No information available | No information available | - |
| Subacute dermal | No information available | No information available | No information available | No information available | No information available | - |
| Subacute inhaling toxicity | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic oral | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic dermal toxicity | No information available | No information available | No information available | No information available | No information available | - |
| Subchronic inhalation | No information available | No information available | No information available | No information available | No information available | - |
| Chronic oral | No information available | No information available | No information available | No information available | No information available | - |

| | | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|--|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 | |

| | | | | | | |
|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| Chronic dermal toxicity | No information available | No information available | No information available | No information available | No information available | - |
| Chronic inhalation | No information available | No information available | No information available | No information available | No information available | - |

| Specific target organ toxicity – repeated exposure (STOT RE): | | | |
|---|--------------------------|--------------------------|------|
| | Specific effects | Target organ | Note |
| Subacute oral | No information available | No information available | - |
| Subacute dermal | No information available | No information available | - |
| Subacute inhaling toxicity | No information available | No information available | - |
| Subchronic oral | No information available | No information available | - |
| Subchronic dermal toxicity | No information available | No information available | - |
| Subchronic inhalation | No information available | No information available | - |
| Chronic oral | No information available | No information available | - |
| Chronic dermal toxicity | No information available | No information available | - |
| Chronic inhalation | No information available | No information available | - |

| CMR effects (carcinogenicity, mutagenicity, reproductive toxicity) | |
|--|---|
| Carcinogenicity: | Based on available data, the classification criteria are not met. |
| Mutagenicity <i>in-vitro</i> : | Based on available data, the classification criteria are not met. |
| Genotoxicity: | Based on available data, the classification criteria are not met. |
| Mutagenicity <i>in-vivo</i> : | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity: | Based on available data, the classification criteria are not met. |
| Reproductive toxicity: | Based on available data, the classification criteria are not met. |
| Total evaluation of CMR properties: | - |

11.2. Information on other hazards:

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | |
|---------|--|
| 11.2.1. | Endocrine disrupting properties: |
| | No known endocrine disrupting properties that affect human health. |
| 11.2.2. | Other information: |
| | - |

SECTION 12. Ecological information:

12.1. Toxicity

| Acute (short-term) toxicity | Dose | Exposure period | Organism | Method | Evaluation | Note |
|-----------------------------|------------------|-----------------|---------------------------------------|--------|---|------|
| Fish | LC ₅₀ | 96 hours | Pimephales promelas (fathead minnow) | - | 2.840 mg/L (diethyl ether) 100-1.000 mg/l (2-propanol) | - |
| Crustacea: | EC ₅₀ | 48 hours | Daphnia magna | - | >1,000 mg/l (2-propanol) 1.380 mg/l (diethyl ether) | - |
| Algae/aquatic plants | IC ₅₀ | 72 hours | Desmodesmus subspicatus (green algae) | - | >1,000 mg/l (2-propanol) >100 mg/l (diethyl ether) | - |
| Other organisms | - | - | - | - | - | - |

| Chronic (long-term) toxicity | Dose | Exposure period | Organism | Method | Evaluation | Note |
|------------------------------|------------------|-----------------|----------|--------|------------|---------------------------|
| Fish | LC ₅₀ | 96 hours | - | - | - | No information available. |
| Crustacea: | EC ₅₀ | 48 hours | - | - | - | No information available. |
| Algae/aquatic plants | IC ₅₀ | 72 hours | - | - | - | No information available. |
| Other organisms | - | - | - | - | - | No information available. |

12.2. Persistence and degradability

Abiotic degradation

| | Degradation half-lives | Method | Evaluation | Note |
|--------------|------------------------|--------|------------|---------------------------|
| Marine water | - | - | - | No information available. |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | | | |
|-------------|---|---|---|---------------------------|
| Fresh water | - | - | - | No information available. |
| Air | - | - | - | No information available. |
| Soil | - | - | - | No information available. |

Biodegradation

| % Degradation | Time (days) | Method | Evaluation | Note |
|---------------|-------------|--------|------------|------|
| - | - | - | - | - |

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water (log Kow):

| Value | Concentration | pH | °C | Method | Evaluation | Note |
|-------|---------------|----|----|--------|------------|------|
| - | - | - | - | - | - | - |

Bioconcentration factor (BCF)

| Value | Species | Method | Evaluation | Note |
|-------|---------|--------|------------|---------------------------|
| - | - | - | - | No information available. |

Chronic ecotoxicity

| Value | Dose | Exposure period | Organism | Method | Evaluation | Note |
|---|------------------|-----------------|----------|--------|------------|---------------------------|
| Chronic toxicity on fish | LC ₅₀ | - | - | - | - | No information available. |
| Chronic toxicity on crustacea (Daphnia) | EC ₅₀ | - | - | - | - | No information available. |

12.4. Mobility in soil

Known or predicted distribution in environmental compartments:

No information available.

Surface tension:

| Value | °C | Concentration | Method | Note |
|-------|----|---------------|--------|---------------------------|
| - | - | - | - | No information available. |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

| Adsorption / desorption | | | | | |
|-------------------------|-------------------------------------|---------|------------------|--------|---------------------------|
| Transport | A/D coefficient Henry's constant | log Kow | Evaporation rate | Method | Note |
| Soil-water | - | - | - | - | No information available. |
| Water-air | - | - | - | - | No information available. |
| Soil-air | - | - | - | - | No information available. |

| | |
|--------------|--|
| 12.5. | Results of PBT and vPvB assessment |
| | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |

| | |
|--------------|---|
| 12.6. | Endocrine disrupting properties |
| | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

| | |
|--------------|------------------------------|
| 12.7. | Other adverse effects |
| | No information available. |

| |
|--|
| SECTION 13. Disposal considerations |
|--|

| | |
|--------------|--------------------------------|
| 13.1. | Waste treatment methods |
|--------------|--------------------------------|

| | |
|----------------|---|
| 13.1.1. | Product/Packaging disposal: |
| | Disposal with normal waste is not permitted. Hand over the material to the legal person authorized for collecting/disposing of hazardous waste. Contaminated packaging must be adequately emptied, and it may be reused or recycled after adequate cleaning. Empty the remaining contents. Packaging that is not intended for cleaning must be disposed of in the same manner as the product stored in the packaging. Do not drill, weld and/or cut the empty packaging - there is possibility of residual fumes exploding. |

| | |
|----------------|---|
| 13.1.2. | Waste codes/waste designations according to Law: |
| | Waste codes/waste designations must be determined in accordance with local hazardous waste gatherers. |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | |
|---------|---|
| 13.1.3. | Waste treatment – relevant information: |
| | No information available. |
| 13.1.4. | Sewage disposal – relevant information: |
| | Avoid larger amounts of undiluted product from entering sewers. |
| 13.1.5. | Other disposal recommendations: |
| | No information available. |
| 13.1.6. | Relevant Community provisions: |
| | - |

SECTION 14. Transport information

| | |
|-------------------------------|---|
| | Transporting/shipment by road (ADR) |
| UN number: | 1993 |
| UN proper shipping name: | Flammable liquid, n.o.s. (diethyl-ether, isopropanol) |
| Transport hazard class(es): | 3 |
| Packing group: | I |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| | Transporting/shipment by rail (RID) |
| UN number: | 1993 |
| UN proper shipping name: | Flammable liquid, n.o.s. (diethyl-ether, isopropanol) |
| Transport hazard class(es): | 3 |
| Packing group: | I |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| | Inland waterway transport (ADN) |
| UN number: | 1993 |
| UN proper shipping name: | Flammable liquid, n.o.s. (diethyl-ether, isopropanol) |
| Transport hazard class(es): | 3 |
| Packing group: | I |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| | Transporting/shipment by sea (IMDG) |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | |
|---|---|
| UN number: | 1993 |
| UN proper shipping name: | Flammable liquid, n.o.s. (diethyl-ether, isopropanol) |
| Transport hazard class(es): | 3 |
| Packing group: | I |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| Transporting/shipment by air (ICAO-TI/IATA-DGR) | |
| UN number: | 1993 |
| UN proper shipping name: | Flammable liquid, n.o.s. (diethyl-ether, isopropanol) |
| Transport hazard class(es): | 3 |
| Packing group: | I |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| Further information: - | |

SECTION 15. REGULATORY INFORMATION

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

EU regulations

Authorization and/or restrictions of use

Authorizations: -

Restrictions: -

Other EU regulations:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;

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;

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;

REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | |
|-------|--|---|
| | Information (Directive 1999/13/EC) on restricting emissions of volatile organic compounds ("VOC"): | |
| | National regulation: | The Chemicals Act, the Ordinance on the Classification, Labeling, Marking and Packaging of Hazardous Chemicals. |
| 15.2. | Chemical safety assessment | |
| | - | |

| SECTION 16. Other information | | |
|-------------------------------|---|--|
| 16.1. | Indication of changes: | - |
| 16.2. | Abbreviations and acronyms: | 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 CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative |
| 16.3. | Key literature references and source of data: | - |
| 16.4. | Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP) | |
| | Classification according to CLP | Classification procedure |
| | - | - |
| 16.5. | Relevant H statements (number and full text) | |
| | 224 | Extremely flammable liquid and vapour. |
| | 225 | Highly flammable liquid and vapor. |
| H: | 302 | Harmful if swallowed. |
| | 319 | Causes serious eye irritation. |
| | 336 | May cause drowsiness or dizziness. |
| 16.6. | Training advice: | - |

| | | | | | |
|---------------|-------------------------------|----------------------|--------------|----------|---|
| Trading name: | CLEAN LENS, SOLUTION 2 | | | | |
| Product code: | CL2-OT-X** | Date of compilation: | 08 July 2024 | Version: | 4 |

| | | |
|-------|----------------------|---|
| 16.7. | Further information: | <p>Safety data sheet is used for proper use and protective measures and it is compiled on the basis of available data and the original SDS file of the manufacturer.</p> <p>The user of the product must comply with all the listed data for safe product handling, as well as be trained for safe use and transport.</p> <p>Legal or physical entity that markets the product in the Republic of Croatia is not held responsible for improper use and consequences stemming from it. SDS does not guarantee the product quality.</p> |
|-------|----------------------|---|

| |
|---|
| ANNEX: EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT |
| - |