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| Trading name: | EA 65 REAGENT, PAP 3D | | | | | |
|---------------|-----------------------|----------------------|------------------|----------|---|--|
| Product code: | EA65D-OT-X** | Date of compilation: | 14 November 2022 | Version: | 2 | |

| SECTI | ON 1: Identification of | the substance | e/mixture | and of the company/undertaking | | |
|-------|---|----------------------------|--|--|--|--|
| 1.1 | Product identifier | | | | | |
| | Trading name: | EA 65 REAGENT, PAP 3D | | | | |
| | Chemical name: | - | | | | |
| | Catalogue number: | EA65D-OT-X** | | | | |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | | | | | |
| | Uses: | | Cytoplas | smic staining reagent acc. to Papanicolaou – blue-green hue. | | |
| | Uses advised against: | | Only the | e 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: | Supplier: | | BioGnost Ltd. | | |
| | Address: | | Medjugorska 59, Zagreb | | | |
| | Telephone number: | | +385 1 2409997 | | | |
| | Telefax.: | | +385 1 2404039 | | | |
| | e-mail of competent | person: | msds@biognost.hr | | | |
| | National contact: | | - | | | |
| 1.4 | Emergency telephone | Emergency telephone number | | | | |
| | National Protection a | nd Rescue Dire | ectorate: | 112 | | |
| | Medical information: | | | +385 1 2348 342 | | |
| | Other information: | | | - | | |

| SECTIO | ON 2. Hazards identification | 1 | | | | |
|---------|---|--|------------|--|--|--|
| 2.1 | Classification of the substar | Classification of the substance or mixture | | | | |
| 2.1.1 | Classification according to | Classification according to Regulation (EC) No 1272/2008 (CLP) | | | | |
| | Hazard class and category code: Hazard statements*: | | | | | |
| | Flam. Liq. 2 | | H225 | | | |
| 2.1.2. | Additional information | | | | | |
| | - | | | | | |
| *For fu | ıll text of Hazard- and EU Haz | ard-statements: see S | SECTION 16 | | | |
| 2.2 | Label elements | | | | | |
| | Product identification: | EA 65 REAGENT | r, PAP 3D | | | |
| | Identification number: | - | | | | |
| | Authorization number: | - | | | | |



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| | Hazard pictograms: | GHS02 | | |
|-----|--|--|--|--|
| | Signal word: | Danger | | |
| | Hazard statements: | H225 Highly flammable liquid and vapor. | | |
| | Precautionary statements: | P210 Keep away from heat/sparks/open flames/hot surfaces Do not smoke. P233 Keep container tightly closed. P280 Wear protective gloves/protective clothing/eye/protection/face protection. | | |
| | Supplemetal hazard information (EU): | - | | |
| 2.3 | Other hazards | | | |
| | Endocrine Disrupting Properties: No known endocrine disrupting properties Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. | | | |

| SECTION 3. Co | SECTION 3. Composition/information on ingredients | | | | | | |
|--|---|--------------------------------|---------------------|--|--|--|--|
| CAS/ EC/ Index number | REACH Registration No | Weight % content (or range) | Identification name | Classification according to Regulation (EC) No 1272/2008 (CLP) | | | |
| 64-17-5/ 200-578-6/ 603-002-00-5 | 01-2119457610-43- 0147 | 75-95 % | ethanol | Flam. Liq. 2; H225 | | | |

| SECT | ON 4. First aid measures | |
|------|--------------------------------|---|
| 4.1 | Description of first aid measu | ures |
| | General notes: | If the suggested first aid measures do not prove sufficient, seek medical attention. |
| | Following inhalation: | Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen. |
| | Following skin contact: | Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain. |



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| | Following eye contact: | Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist. |
|-----|-------------------------------------|--|
| | Following ingestion: | Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital. |
| | Self-protection of the first aider: | - |
| 4.2 | Most important symptoms and eff | fects, both acute and delayed |
| ı | Following inhalation: | Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea. |
| | Following skin contact: | Depending on concentration and exposure time, it may lead to irritation, rash, skin drying and skin cracking. |
| | Following eye contact: | Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain. |
| | Following ingestion: | Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting. |
| 4.3 | Indication of any immediate medi | cal attention and special treatment needed |
| | _ | |

| SECTIO | SECTION 5. Firefighting measures | | | | |
|--------|---|--|--|--|--|
| 5.1 | Extinguishing media | | | | |
| | Suitable extinguishing media: | Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol resistant foam | | | |
| | Unsuitable extinguishing media: | Water with full jet | | | |
| 5.2 | Special hazards arising from the su | ubstance or mixture | | | |
| | Hazardous combustion products: | Formation of toxic gases is possible during heating or in case of fire. | | | |
| 5.3 | Advice for firefighters | | | | |
| | Use a self-contained open-circuit o | compressed air breathing apparatus and fireproof clothing. | | | |
| 5.4 | Additional information | | | | |
| | Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media. | | | | |

| SECTIO | 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 (see Section 8). | | | |



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| | Accident prevention methods | Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Do not smoke. Keep away from ignition sources. | | | |
|--------|--|---|--|--|--|
| | Emergency procedures: | Mark the area using proper signs. | | | |
| 6.1.2. | For emergency responders: | | | | |
| | Use protective equipment; in (see Section 8). | case of inadequate ventilation use adequate airways protective equipment | | | |
| 6.2 | Environmental precautions: | | | | |
| | Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112. | | | | |
| 6.3 | Methods and material for containment and cleaning up | | | | |
| 6.3.1. | Bunding, covering of drains; capping procedures: | Sand protective barrier or barriers made of similar materials. | | | |
| 6.3.2. | Cleaning up: | Where possible, the substance can be absorbed by using absorbing material. Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water. | | | |
| 6.3.3. | Other information: | Secure proper ventilation. Do not use incompatible materials (see Section 10). | | | |
| 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. | | | | |

| SECTIO | SECTION 7. Handling and storage | | | | |
|--------|--|--|--|--|--|
| 7.1 | Precautions for safe handling | | | | |
| 7.1.1. | Protection measures | | | | |
| | Measures to prevent fire: | Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke. | | | |
| | Measures to prevent aerosol and dust generation: Secure proper ventilation. | | | | |
| | Measures to protect the environment: | Prevent spilling into the sewage system and waterways. | | | |
| | Other measures: | Protect against electrostatic charges. | | | |
| 7.1.2. | Advice on general occupational hygiene: | | | | |
| | Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating. | | | | |
| 7.2 | Conditions for safe storage, including any incompatibilities | es | | | |



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| | Technical measures and storage conditions: | Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C. Protect from heat and direct sunlight. |
|-----|---|---|
| | Packaging materials: | Manufacturer's original packaging. |
| | Requirements for storage rooms and vessels: | Keep away from food and drink. Keep the containers tightly closed. |
| | Advices for storage equipment: | The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation. |
| | Further information on storage conditions: | Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 10). |
| 7.3 | Specific end use(s) | |
| | Recommendations: | - |
| | Industrial sector specific solutions: | - |

| SECTION 8. Expo | sure contr | ols/perso | nal pro | tection | | | |
|----------------------|--------------------|-------------|---------|----------------|---------|-------------------------------|-------------------------|
| 8.1 Control p | arameters | ters | | | | | |
| Substance | | CA | | | | exposure limit term values | Biological limit values |
| | | | | рр | m | mg/m³ | |
| Ethanol | | 64 | -17-5 | 100 | 0/- | 1900/- | - |
| | | | | | | | |
| Substance name: | - | | | | | | |
| EC No: | - | CAS No | : | - | | | |
| DNEL | | | | | | | |
| | | | | Indus | strial | | |
| Route of | Ac | ute | , | Acute | | Chronic | Chronic |
| exposure: | effect | local | effec | t systemic | | effect local | effect systemic |
| Oral | - | | - | | - | | - |
| Inhalation | 1900 mg (ethano | • | - | | - | | 380 mg/m³ (ethanol) |
| Dermal | - | | - | | - | | 343 mg/kg (ethanol) |
| Critical physical pa | arameters: | solubility, | flamma | bility, corros | sivity: | - | |
| | | | | Consu | umer | | |
| Route of | А | cute | | Acute | | Chronic | Chronic |
| exposure: | effe | ct local | effec | t systemic | | effect local | effect systemic |



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| ode: | EA65D-OT-X** - 950 mg/m³ | Date | of compilation: | 14 November 2022 Version: 2 | | |
|-----------|--|--|--|--|--|--|
| | - 950 mg/m ³ | _ | | | | |
| | - 950 mg/m ³ | - | 1 | | | |
| | 95() ma/m ³ | | - | 87 mg/kg bw/day (ethanol) | | |
| | (ethanol) | - | - | 114 mg/m³ (ethanol) | | |
| | - | - | - | 206 mg/kg (ethanol) | | |
| | | | | | | |
| ntal prot | ection target | | PNEC | | | |
| r | | | 0.96 mg/l (ethano | ol) | | |
| sedimer | nts | | 3.6 mg/kg (ethan | ol) | | |
| er | | | 0.79 mg/l (ethano | ol) | | |
| iments | | | 2.9 mg/kg (ethan | ol) | | |
| | | | 380-720 mg/kg (| ethanol) | | |
| nisms in | sewage treatment | | 580 mg/l (ethano | 1) | | |
| ltural) | | | 0.63 mg/kg (etha | nol) | | |
| Air | | | | no information available | | |
| | | | | | | |
| • | | | | | | |
| Appro | oriate engineering o | controls | | | | |
| | · · · · · · | | nrotective equipment 1)0 not est drink or smoke in the | | | |
| | • | event | In accordance with Section 7. | | | |
| | | o prevent | Organization of work in order to reduce other worker's influence during work process. | | | |
| Techni | cal measures to pre | event exposure: | Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering. | | | |
| Person | al protection equip | ment | | | | |
| Eye an | d face protection: | levels | y glasses that stick to face (EN 166) or visor in case of lower s of concentration in air; protective gas mask that covers the e face in case of higher levels of concentration in air. | | | |
| Skin pr | otection | | | | | |
| The pro | | protective gloves have to satisfy the specification of ulation (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm | | | | |
| | sedimer sedimer ser siments hisms in siltural) Exposu Approp Substa preven Structu exposu Organi exposu Techni Person Eye and | sediments iments inisms in sewage treatment litural) Exposure controls Appropriate engineering of substance/mixture related prevent exposure during in structural measures to prevent exposure: Organisational measures to prevent exposure: Technical measures to prevent exposure: Personal protection equip Eye and face protection: Skin protection | sediments ter timents bisms in sewage treatment litural) Exposure controls Appropriate engineering controls Substance/mixture related measures to prevent exposure during identified uses: Structural measures to prevent exposure: Organisational measures to prevent exposure: Technical measures to prevent exposure: Personal protection equipment Eye and face protection: Safety levels entire Skin protection The protection The protection | D.96 mg/l (ethanol sediments 3.6 mg/kg (ethanol sediments 3.6 mg/kg (ethanol ser 0.79 mg/l (ethanol siments 2.9 mg/kg (ethanol siments 380-720 mg/kg (ethanol siments 580 mg/l (ethanol siments 580 mg/l (ethanol siments 0.63 mg/kg | | |



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| | Other skin protection: | During everyday work use cotton clothing (EN 340) 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: | Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) according to EN 14387) used when concentration levels exceed GVI. |
| 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 to prevent exposure: | See Section 6 |

| 1 | Information on basic physical and | chemical properties | |
|---|---|---------------------------------------|--------------------------|
| | | Value | Method |
| | Physical state: | liquid | No information available |
| | Colour: | dark green with pink glint | No information available |
| | Odour/odour threshold: | ethanol like/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 |
| | Lover and upper explosion limit: | No information available | No information available |
| | Flash point: | 15 °C | No information available |
| | Auto-ignition temperature: | No information available | No information available |
| | Decomposition temperature: | No information available | No information available |
| | рН: | 5.2 -5.7 | No information available |
| | Kinematic viscosity: | No information available | No information available |
| | Solubility: | No information available | No information available |
| | Partition coefficient noctanol/water (log value): | No information available | No information available |



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| | 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 | SECTION 10. Stability and reactivity | | | | |
|---------|---|---|--|--|--|
| 10.1 | .1 Reactivity: See subsections 10.3 through 10.5. | | | | |
| 10.2 | Chemical stability: | The product is chemically stable under standard ambient conditions of storing and using (room temperature). | | | |
| 10.3 | Possibility of hazardous reactions: | No dangerous reactions known. | | | |
| 10.4 | Conditions to avoid: | Avoid heat, sparks, open flames and other ignition sources. | | | |
| 10.5 | Incompatible materials: | No further relevant information available. | | | |
| 10.6 | Hazardous decomposition products: | No dangerous decomposition products known. | | | |

| SECTION 11. To | oxicological info | rmation | | | | |
|--------------------|-------------------|---|---|-----------------|-------------|---------------|
| 11.1 Inform | ation on hazard c | lasses as defined | in Regulation (I | EC) No 1272/2 | 008 | |
| Acute | toxicity: | | | | | |
| Route of exposure: | Method | Species | Dose LD ₅₀ ATE _r | | Exposure ti | ime Results |
| Oral: | - | rat (ethanol) | LD ₅ | 50 | - | 7.060 mg/kg |
| Dermal: | - | rabbit (ethanol |) LD ₅ | 50 | - | >20.000 mg/kg |
| Inhalation: | - | rat (ethanol) LC ₅₀ 4 h | | >8.000 mg/l | | |
| Specifi | | kicity – single expo pecific effects | osure (STOT SE | | n | Note |
| | ' | pecific effects | | Target orga | Note | |
| Oral: | No informat | ion available | No int | formation avail | - | |
| Dermal: | No informat | ion available | No inf | formation avail | - | |
| Inhalation: | No informat | ion available | No inf | - | | |
| i | | | | | | |
| Aspirat | ion hazard: | N | lo information | available. | | |
| - | | | | | | |
| Irritatio | on and corrosion | | | | | |
| | | | | | | |



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| | | | | | | | | *** | | |
| Skin corrosion/irritation | on: - | | | - | - | | - | - | | |
| Serious eye damage/irritation | - 1 | | | - | - | | - | - | | |
| Sensitiza | ation | | | | | | | | | |
| Skin sensitization | 1: | No inf | ormation ava | ailable. | | | | | | |
| Respiratory sensi | tization: | No inf | ormation ava | ailable. | | | | | | |
| Symptoi | ms relate | d to the ph | nysical, chem | ical and toxicolo | gical cha | aracteris | tics | | | |
| Oral exposure: | | • | on available. | | <u> </u> | | | | | |
| Dermal exposure | : No | o informati | on available. | | | | | | | |
| Inhalation exposi | ure: No | o informati | on available. | | | | | | | |
| Eye exposure: | No | o informati | on available. | | | | | | | |
| | | | | | | | | | | |
| Repeate | d dose to | oxicity (sub | | ronic, chronic) | | | - | | | |
| | D | ose | Exposure time | Species | Meth | nod | Evaluatio | on | Note | |
| Subacute oral | No inf availabl | ormation e | No information available | No information available | No infor avail | mation able | No informat available | | - | |
| Subacute dermal | No inf availabl | ormation e | No informatior available | No information available | No infor avail | mation able | No informat available | | - | |
| Subacute inhalation | No inf | ormation e | No informatior available | No information available | No infor avail | mation able | No informat available | | - | |
| Subchronic oral | No inf availabl | ormation e | No informatior available | No information available | No infor avail | mation able | No informat available | | - | |
| Subchronic dermal | No inf availabl | ormation e | No information available | No information available | No infor avail | mation able | No informat available | | - | |
| Subchronic inhalation | No inf availabl | ormation e | No information available | No information available | No infor avail | mation able | No informat available | | - | |
| Chronic oral | No inf availabl | ormation e | No information available | No information available | No infor avail | mation able | No informat available | | - | |



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| Chronic dermal | No avail | information able | No information available | No information available | No infor avail | mation able | No informati available | on | - | |
| Chronic inhalation | | No information information available | | No information available | No information available | | No information available | | - | |
| Specific | target | organ toxicit | v – repeated e | exposure (STOT | RF)· | | | | | |
| - I | <u>9</u> | | Specific effect | | | Target or | rgan | | Note | |
| Subacute oral | | No informa | | No in | | available | - | | | |
| Subacute derma | l | No informa | ntion available | | No in | formation | available | - | | |
| Subacute inhala | tion | No informa | ntion available | | No in | formation | available | - | | |
| Subchronic oral | | No informa | ntion available | | No information available - | | | - | - | |
| Subchronic dern | nal | No informa | ntion available | | No in | formation | available | - | | |
| Subchronic inha | lation | No informa | ntion available | | No in | formation | available | - | | |
| Chronic oral | | No informa | ntion available | | No in | formation | available | - | | |
| Chronic dermal | | No informa | ntion available | | No in | formation | available | - | | |
| Chronic inhalation | on | No informa | tion available | | No in | formation | available | - | | |
| CMD of | focts (c | arsinogonisit | r mutaganicit | r rangaductiva | tovicity) | <u> </u> | | | | |
| Carcino | | | y, mutagemen | y; reproductive | | | ssification o | ritori | ia are not m | |
| Mutage | | - | | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. | | | | | | |
| Genoto | | | | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. | | | | | | |
| Mutage | | in vivo: | | | | | | | | |
| | | agenicity: | | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. | | | | | | |
| | | toxicity: | | Based on available data, the classification criteria are not met. | | | | | | |
| Summa propert | , | evaluation | of the CN | MR Based on met. | availab | le data, tl | he classifica | ation | criteria are | e not |
| 11.2 Informa | ation o | n other hazard | ds: | | | | | | | |
| 11.2.1. Endocri | ne disr | upting prope | rties: | | | | | | | |
| | | docrine disru nan health. | pting propert | ies | | | | | | |
| 11.2.2. Other in | nforma | tions: | | | | | | | | |



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| SECTION 12. Ed | cologic | cal informat | ion | | | | |
|---------------------------|---------|--------------------------|-----------------|--------------------------|--------------------------------|----------------------------------|----------|
| 12.1 Toxicity | y | | | | | | |
| Acute (short-ter toxicity | m) | Dose | Exposur time | e Species | Method | Evaluation | Note |
| Fish | | LC ₅₀ | 96 hours | Golden orf | No information available | 8.140 mg/l /48 h (ethanol) | _ |
| Crustacea: | | EC ₅₀ | 48 hours | Daphnia magna | No information available | 7.800 mg/l (ethanol) | - |
| Algae/aquatic p | lants | IC ₅₀ | 4 days | No information available | No information available | 5.000 mg/l / 7d (ethanol) | - |
| Other organism | S | - | - | - | - | - | - |
| Chronic (long-toxicity | erm) | Dose | Exposur time | e Species | Method | Evaluation | Note |
| Fish | | LC ₅₀ | 96 hours | No information available | No information available | No information available | - |
| Crustacea: | | EC ₅₀ | 48 hours | No information available | No information available | No information available | - |
| Algae/aquatic p | lants | IC ₅₀ | 72 hours | No information available | No information available | No information available | - |
| Other organism | S | - | - | - | - | - | - |
| | | | | | | | |
| 12.2 Persist | ence ar | nd degradab | ility | | | | |
| Abiotic | 1 | | | | 1 | *** | |
| | De | gradation ha | ılf-lives | Method | Evaluatio | | Note |
| Marine water | No in | nformation a | vailable | No information available | No informatio available | n - | |
| Fresh water | No in | nformation a | vailable | No information available | No informatio available | n - | |
| Air | No in | nformation a | vailable | No information available | No informatio available | n - | |
| Soil | No in | No information available | | No information available | No information _ available | | |



Chronic toxicity on

crustacea (Daphnia)

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| Trading name | e: | EA 65 REAGENT, PAP 3D | | | | | | | | | |
|---|----------------|-----------------------|-------------|--------------|-------------------|--------------------------|-------------------|--------------|---------------------|----------------|---|
| Product code | e: EA65 | D-OT-X** | | Date | e of compilati | on: | on: 14 November 2 | | 2022 | Version: | 2 |
| Biode | gradation | | | | | | | | | | |
| % Degradat | | Time (days | 5) | Method | | Ev | valuatio | n | | Note | |
| No information available | | inforr ilable | mation | No infe | ormation ble | No info | ormation le | | No info availabl | ermation le | |
| 12.3 Bioac | cumulative | potential | | | | | | | | | |
| | | artition coef | ficient (| log Kow | ') | | | | | | |
| Value | Concentra | ation p | рΗ | °C | Method | | Evalua | ation | | Note | |
| | _ | - | - | | - | - | | | - | | |
| *************************************** | | | | | | | | | | | |
| Bioco | ncentration | factor (BCF |) | | | | | | | | |
| Value | | Species | | ١ | Method | | Evaluatio | on | | Note | |
| No information available | n No availa | inforn able | nation | No info | ormation ble | No information available | | - | - | | |
| | | | | | | | | | | | |
| | i | | • | | | : | | | : | | |
| Chror | nic ecotoxic | ity | | | | | | | | | |
| Valu | ie | Dose | | osure ime | Species | Me | thod | Evalu | ation | Note | |
| Chronic toxicit | v on fish | I C50 | No infor | mation | No information | No inforr | mation | No inform | ation | | |

| 12.4 | Mobility in soi | l . | | | |
|------|-----------------|-------------------|-------------------------|-------------|------|
| | Known or pred | dicted distributi | on in environmental com | npartments: | |
| | No informatio | n available | | | |
| | Surface tensio | n: | | | |
| | Value | °C | Concentration | Method | Note |

available

available

information

No

available

information

available

No

available

available

information

No

available

available

information

No

 EC_{50}



13.1.3.

Waste treatment – relevant information:

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| Tradin | g nan | ne: | | I | EA 65 | REAGENT, P | AP 3D | | | |
|----------|--------|---|---|--------------------------|----------------|----------------------------|---------------------|---------------|--------------|----|
| Produc | ct coc | le: | EA65D-OT-X** | Date | of co | mpilation: | 14 Novem | ber 2022 | Version: | 2 |
| | | rmatio lable | No n information available | No informat available | ion | No informatio available | n | - | | |
| | Adso | orption | n / desorption | | | | | | | |
| Transpo | ort | A/D coefficient Henry's constant | | log Kow | E۱ | aporation rate | Meth | iod | Note | |
| Soil-wa | ter | No availa | information able | No informatio available | | o information ailable | No inform available | nation - | | |
| Water-a | air | No availa | information able | No informatio available | | o information ailable | No inform available | nation - | | |
| Soil-air | | No information available No information available No information available No information available | | | | | | nation - | | |
| | | | | | | | | | | |
| 12.5. | | | PBT and vPvB asses | | | | | | | |
| | Base | ed on a | available data, the p | product does no | t cont | ain any PBT or v | /PvB substa | nces. | | |
| 12.6. | Fnde | ocrine | disrupting propert | ies | | | | | | |
| 12.0. | | | available data, does | | docrin | e disruptors. | | | | |
| | | | , | | | | | | | |
| 12.7 | Othe | er adve | erse effects | | | | | | | |
| | No a | advers | e effects are expect | ed. | | | | | | |
| | | | | | | | | | | |
| SECTIO | | | osal consideration | s | | | | | | |
| 13.1 | W | aste tr | eatment methods | | | | | | | |
| 12.1.1 | | | (D. I I. | | | | | | | |
| 13.1.1. | | | Packaging disposa or disposal to the I | | horizo | d by the Ministr | a, of Environ | montal and | A Natura | |
| | | otectic | • | egai person auti | nonze | a by the Millisti | y or Environ | intental and | ı Nature | |
| 13.1.2. | 14/ | asta se | adas (wasta dasigna | utions assording | + 0 0 | | | | | |
| 13.1.2. | | | odes/waste designa *: Packaging that c | | | | s or is conta | aminated w | ith hazardor | ıs |
| | | bstanc | | ontains residual | HUZUI | adus substance | 3 OF 13 COTTO | arriiriatea W | iai nazaraot | 13 |
| | | | | | | | | | | |



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| Trading name: | | EA 65 REAGENT, | PAP 3D | | |
|---------------|--------------|----------------------|------------------|----------|---|
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| | No information available | | | | | |
|-----------------------------|---|----------------------------------|--|--|--|--|
| | | | | | | |
| 13.1.4. | Sewage disposal – relevant | t information: | | | | |
| | Waste must not be dispose | ed of into the sewage system. | | | | |
| | | | | | | |
| 13.1.5. | Other disposal recommend | | | | | |
| | Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. | | | | | |
| 13.1.6. | Relevant Community provi | sions: | | | | |
| | Disposal must be made ac | cording to official regulations. | | | | |
| | | | | | | |
| SECTIO | N 14 TRANSPORT INFORMA | ATION | | | | |
| | Transporting/shipment by ro | pad (ADR) | | | | |
| UN num | ber: | 1170 | | | | |
| UN prop | er shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | | 3 | | | | |
| Packing | group: | II . | | | | |
| Environr | nentally hazardous: | - | | | | |
| Special | precautions for user: | - | | | | |
| | Transporting/shipment by ra | iil (RID) | | | | |
| UN num | ber: | 1170 | | | | |
| UN prop | er shipping name: | Ethanol solution | | | | |
| Transpo | rt hazard class(es): | 3 | | | | |
| Packing | group: | ll | | | | |
| Environr | nentally hazardous: | - | | | | |
| Special p | precautions for user: | - | | | | |
| | Inland waterway transport (A | ADN) | | | | |
| UN num | ber: | 1170 | | | | |
| UN prop | er shipping name: | Ethanol solution | | | | |
| Transport hazard class(es): | | 3 | | | | |
| Packing | group: | II . | | | | |
| Environr | nentally hazardous: | - | | | | |
| Special p | precautions for user: | - | | | | |
| | Transporting/shipment by se | ea (IMDG) | | | | |
| UN num | ber: | 1170 | | | | |



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|---------------|--------------|----------------------|------------------|----------|---|
| Product code: | EA65D-OT-X** | Date of compilation: | 14 November 2022 | Version: | 2 |

| UN proper shipping name: | Ethanol solution |
|---|------------------|
| Transport hazard class(es): | 3 |
| Packing group: | П |
| Environmentally hazardous: | - |
| Special precautions for user: | - |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: | - |
| Transporting/shipment by air (IC | AO-TI/IATA-DGR) |
| UN number: | 1170 |
| UN proper shipping name: | Ethanol solution |
| Transport hazard class(es): | 3 |
| Packing group: | П |
| 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); | | | |



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|---------------|-----------------------|----------------------|------------------|----------|---|
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| | Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline) | | | |
|------|--|---|--|--|
| | National legislation: | Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act | | |
| 15.2 | Chemical safety assessment | | | |
| | None | | | |

| 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) | | | | |
| Classifi | ication | Classification procedure | | | |
| - | | - | | | |
| 16.5. | Relevant H statements (numb | er and full text) | | | |
| | H: H225 | Highly flammable liquid and vapor. | | | |
| 16.6. | Training advice: | - | | | |
| 16.7. | Further information: | ** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet. | | | |

ANNEX: Exposure scenario resulting to chemical safety assessment



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