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| SECTIO | ON 1: Identification of | the subst | ance/n | nixture a | nd of the company/undertaking | | |
|--------|-------------------------|-----------------------------|----------------------------------|------------|---|--|--|
| 1.1. | Product identifier | | | | | | |
| | Trade name: | Zidac Uni | Zidac Universal disinfectant | | | | |
| | Chemical name: | _ | | | | | |
| | Catalogue number: | _ | | | | | |
| 1.2. | Relevant identified use | es of the su | ıbstance | e or mixtu | re and uses advised against | | |
| | Uses: | Huma algae | | | ultifunctional ethanol based liquid for fast disinfection (PT1 man hygiene biocidal product, PT2 Disinfectants and accides not intended for direct application to humans or imals and PT4 Food and feed area) | | |
| | Uses advised against: | Any other than specified | | | | | |
| | Reason why uses advis | ed against | ed against: - | | | | |
| 1.3. | Details of the supplier | er of the safety data sheet | | | | | |
| | Supplier: | | ZIDAC | LABORAT | ORIES | | |
| | Address: | | | Merlin Pa | ark Road, Portsmouth, PO3 5FU | | |
| | Telephone number: | | +44 (0) | 7387018: | 110 | | |
| | Telefax: | | | | | | |
| | e-mail of competent p | erson: | zeljka.p | outarek@ | zidac.co.uk | | |
| | National contact: | | | | | | |
| 1.4. | Emergency telephone | one number | | | | | |
| | National Protection an | d Rescue D | Rescue Directorate: 112 (Europe) | | | | |
| | Medical information: | | | | | | |
| | Other information: | | | | | | |

| SECTIO | SECTION 2. Hazards identification | | | | | | |
|----------|---|------------------------------|--|--|--|--|--|
| 2.1. | Classification of the substance or mixture | | | | | | |
| 2.1.1. | Classification according to Regulation (EC) N | No 1272/2008 (CLP) | | | | | |
| | Hazard class and category code: Hazard statement*: | | | | | | |
| | Eye Irrit. 2 H319 | | | | | | |
| | Flam. Liq. 2 | H225 | | | | | |
| 2.1.2. | Additional information | | | | | | |
| | | | | | | | |
| * For fu | * For full text of Hazard- and EU Hazard-statements: see SECTION 16 | | | | | | |
| 2.2. | Label elements | | | | | | |
| | Product identification: | Zidac Universal disinfectant | | | | | |

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| | Identification number: | - |
|-----|---------------------------------------|--|
| | Authorisation number: | - |
| | Hazard pictograms: | |
| | Signal word: | Danger |
| | Hazard statement: | H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. |
| | Precautionary statement: | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P270 Do not eat, drink or smoke when using this product. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: get medical advice/attention. P404 Store in closed container. P501 Dispose of content/container in accordance with national regulations. |
| | Supplemental hazard information (EU): | BPR001 Use biocides safely. Always read the label and product information before use. |
| .3. | Other hazards | |
| | None known | |

| 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 / - | - | 70.0 | Ethanol | Flammable liq, Category 3 Eye irritation, Category 2 H225, H319 | | | | |

| SECTIO | SECTION 4. First aid measures | | | | |
|--------|-----------------------------------|--|--|--|--|
| 4.1. | Description of first aid measures | | | | |
| | General notes: | | | | |

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| | Following inhalation: | | Not expected. Can cause cough in sensitive persons, irritation of the upper respiratory tract, by overuse drowsiness, headache and dizziness. Move affected person to fresh. | |
|------|--|---------|---|--|
| | Following skin contact: | | Not expected. Avoid contact with sore or broken skin. In sensitive persons can cause drying out, redness. Remove contaminated clothing and rinse with plenty of water. | |
| | Following eye contact: | | Irritation. Avoid contact with eyes. If contact occurs, remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing. | |
| | Following ingestion: | | DO NOT induce vomiting. Get medical attention immediately. | |
| | Self-protection of the first aider | | | |
| 4.2. | Most important symptoms a | nd effe | ects, both acute and delayed | |
| | Following inhalation: | No sp | ecific symptoms known. | |
| | Following skin contact: | No sp | specific symptoms known. | |
| | Following eye contact: | May | cause severe eye irritation. | |
| | Following ingestion: | May | cause nausea, headache, dizziness and intoxication. | |
| 4.3. | Indication of any immediate medical attention and special treatment needed | | | |
| | No specific recommendation. | | | |

| SECTIO | ECTION 5. Firefighting measures | | | | | |
|--------|--|--|--|--|--|--|
| 5.1. | Extinguishing media | | | | | |
| | Suitable extinguishing media: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment (foam, carbon dioxide or dry powder). | | | | |
| | Unsuitable extinguishing media: | High volume water jet. | | | | |
| 5.2. | Special hazards arising from the substance or mixture | | | | | |
| | Hazardous combustion products: | Carbon oxides | | | | |
| 5.3. | Advice for firefighters | | | | | |
| | Use personal protective equipment and fight fire from safe distance. | | | | | |
| 5.4. | Additional information | | | | | |
| | | ackaging. Fire residues and contaminated fire extinguishing water ith local regulations. In the event of fire and/or explosion do not | | | | |

| SECTIO | SECTION 6. Accidental release measures | | | | | |
|--------|---|--|--|--|--|--|
| 6.1. | Personal precautions, protective equipment and emergency procedures | | | | | |
| 6.1.1. | For non-emergency personnel | | | | | |

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| | Protective equipment: | Remove all sources of ignition. Ensure clean –up is conducted by trained personnel only. Refer to protective listed in sections 7 and 8. | |
|--------|-----------------------------------|--|--|
| | Accident prevention methods: | | |
| | Emergency procedures: | Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. | |
| 6.1.2. | For emergency responders: | | |
| | Same as above | | |
| 6.2. | Environmental precautions: | | |
| | Do not allow contact with soil, | surface or ground water. | |
| 6.3. | Methods and material for conta | ainment and cleaning up | |
| 6.3.1. | Bunding, covering of drains; | Flush away traces with water. For large spills, dike spilled material or | |
| | capping procedures: | otherwise contains material to ensure runoff does not reach a waterway. | |
| 6.3.2. | | | |
| 6.3.2. | capping procedures: | waterway. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Flush away traces with water. For large spills, dike spilled material or otherwise contains material to ensure runoff does not reach a | |
| | capping procedures: Cleaning up: | waterway. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Flush away traces with water. For large spills, dike spilled material or otherwise contains material to ensure runoff does not reach a | |

| SECTIO | SECTION 7. Handling and storage | | | |
|--------|--|--|--|--|
| 7.1. | Precautions for safe handling | | | |
| 7.1.1. | Protective measures | | | |
| | Measures to prevent fire: | Keep away from heat, sparks and open flame. Avoid contact with eyes. | | |
| | Measures to prevent aerosol and dust generation: | Keep in a cool, well ventilated place. Keep away from heat and source of ignition. | | |
| | Measures to protect the environment: | Keep container tightly closed. | | |
| | Other measures: | | | |
| 7.1.2. | Advice on general occupational hygiene: | | | |
| | Do not smoke in work area. | | | |
| 7.2. | Conditions for safe storage, including any incompatibilities | | | |

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| | Technical measures and storage conditions: | Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. |
|------|---|--|
| | Packaging materials: | Original packaging. Keep container tightly closed. |
| | Requirements for storage rooms and vessels: | Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge. |
| | Advices for storage equipment: | |
| | Further information on storage conditions: | |
| 7.3. | Specific end use(s) | |
| | Recommendations: | |
| | Industrial sector specific solutions: | |

| SECTIO | SECTION 8. Exposure controls/personal protection | | | | | | | | | |
|------------|--|--------------|--------------|---------------------|--|----------------------|---------|-------------------------|---------|-----------------------|
| 8.1. | | | meters | | | | | | | |
| Substance | | | CAS No | | Occupational exposure limit values/short term values | | | Biological limit values | | |
| | | | | | | ppm | mg/r | n ³ | | |
| ethano | ol | | | 64-17- | 5 | 1000 | 192 | 0 | | - |
| | | | | | | | | | | |
| Substa | nce: | - | | T | | | | | | |
| EC No: | | - | | CAS No: | _ | | | | | |
| DNEL | | | | | | | | | | |
| | | | | | | Industrial | | | | |
| Pouto | of ovno | curo: | Acute effect | | P | Acute effect | Chro | Chronic effect | | Chronic effect |
| Route | от ехро | of exposure: | | ocal | | systemic | local | | | systemic |
| Oral | | | N | o data | | No data | N | lo data | | No data |
| Inhalat | ion | | 1900 | 0 mg/m ³ | | No data | No data | | | 950 mg/m ³ |
| Derma | I | | N | o data | | No data | No data | | | 343mg/kg bw/d |
| Critical | physic | al parar | meters: | solubility, fl | ammak | oility, corrosivity: | | | | |
| | | | | | | Consumer | | | | |
| Pouto | of expo | curo. | Acu | te effect | P | Acute effect | Chro | onic effect | | Chronic effect |
| Noute | oi expo | suie. | | ocal | | systemic | | local | | systemic |
| Oral | | | No | o data | | No data | N | No data | | No data |
| Inhalation | | No | o data | | No data | N | No data | | No data | |
| Derma | l | | No | o data | | No data | N | lo data | | No data |

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| PNEC | | | | | | |
|--------------|---|----------------------------------|--|--|--|--|
| Environme | ental protection target | | | PNEC | | |
| Fresh wat | er | | | No data | | |
| Freshwate | er sediments | | | No data | | |
| Marine water | | | | No data | | |
| Marine se | diments | | | No data | | |
| Food chai | n | | | No data | | |
| Microorga | anisms in sewage treatment | | | No data | | |
| Soil (agric | ultural) | | | No data | | |
| Air | | | | No data | | |
| | ÷ | | | | | |
| 8.2. | Exposure controls | | | | | |
| 8.2.1. | Appropriate engineering controls | | | | | |
| | Substance/mixture related measures to prevent exposur during identified uses: | | Do not breathe vapour. Ensure good ventilation. Follow the instructions for use. | | | |
| | Structural measures to prevent exposure: | | | Ensure well ventilation of the workspace. | | |
| | Organisational measures to prevent exposure: | | prot | ure good workplace ventilation and the necessary ective equipment. Do not eat, drink, and smoke in the kplace. | | |
| | Technical measures to preve exposure: | ent | Effe | ctive ventilation. | | |
| 8.2.2. | Personal protection equipm | ent: | | | | |
| 8.2.2.1. | Eye and face protection: | 1 . | | Il protective equipment must be in accordance with EN Where appropriate, face-wearing safe glasses (EN 166) | | |
| 8.2.2.2. | Skin protection: | | | | | |
| | Hand protection: | Where | appr | opriate latex or PVC gloves (EN 374) | | |
| | Other skin protection: | Cotton 10335 | | ning (EN ISO 13688) and suitable indoor footwear (ISO | | |
| 8.2.2.3. | Respiratory protection: | In normal conditions not needed. | | | | |
| 8.2.2.4. | Thermal hazards: | | | | | |
| 8.2.3. | Environmental exposure cor | ntrols | | | | |
| | Substance/mixture related measures to prevent exposure: | | of th | scribed storage and use of preparations. Prevent the entry ne concentrated product into the sewage system and any harge into surface or groundwater without prior tment. | | |

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| Structural measures to prevent exposure: | Prescribed storage and use of preparations. |
|--|---|
| Organisational measures to prevent exposure: | Ensure good ventilation of the work area and the necessary protective equipment. Do not eat, drink, and smoke in the workplace. |
| Technical measures to prevent exposure: | Prescribed storage and use of preparations. |

| SECTI | ON 9. Physical and chemical prop | erties | SECTION 9. Physical and chemical properties | | | |
|-------|---|---------------------|---|--|--|--|
| 9.1. | Information on basic physical and | chemical properties | | | | |
| | | Value | Method | | | |
| | Physical state: | liquid | | | | |
| | Colour: | colourless | | | | |
| | Odour: | Alcoholic, pleasant | | | | |
| | Odour threshold; | No data | | | | |
| | pH: | 5.0 – 8.5 | | | | |
| | Melting point / freezing point; | No data | | | | |
| | Initial boiling point and boiling range: | No data | | | | |
| | Flash point: | No data | | | | |
| | Evaporation rate: | No data | | | | |
| | Flammability (solid, gas): | Flammable | | | | |
| | Upper/lower flammability or explosive limits: | Not explosive | | | | |
| | Vapour pressure: | No data | | | | |
| | Vapour density: | No data | | | | |
| | Relative density | 0.864 - 0.882 @20°C | | | | |
| | Bulk density: | No data | | | | |
| | Solubility(ies): | No data | | | | |
| | Partition coefficient: n- octanol/water (log Kow): | No data | | | | |
| | Auto-ignition temperature: | Not auto-igniting | | | | |
| | Decomposition temperature: | No data | | | | |
| | Viscosity: | No data | | | | |
| | Explosive properties: | None | | | | |
| | Oxidising properties: | None | | | | |
| 9.2. | Other information | | | | | |

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| None |
|------|
| None |

| SECTIO | ECTION 10.: Stability and reactivity | | | | | | | |
|--------|--------------------------------------|--|--|--|--|--|--|--|
| 10.1. | Reactivity: | There are known reactivity hazards associated with this product. | | | | | | |
| 10.2. | Chemical stability: | Stable under normal conditions. | | | | | | |
| 10.3. | Possibility of hazardous reactions: | No dangerous reaction known under conditions of normal use. | | | | | | |
| 10.4. | Conditions to avoid: | Heat, spark, open flame. | | | | | | |
| 10.5. | Incompatible materials: | None known. | | | | | | |
| 10.6. | Hazardous decomposition products: | Carbon oxides. | | | | | | |

| | 1 | icological info | | | | | | | | |
|-------------------------------|---------------|-----------------|--------------------|---------|---|--------------|---------------|--------|----------|--|
| 11.1. | Information | on on toxicolo | gical effects | | | | | | | |
| | Acute tox | icity: | | | | | | | | |
| Route (| | Method | Species | Eff | Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture} | | Exposure time | | Results | |
| Oral: | | No data | - | - | | | _ | | - | |
| Dermal: No data | | No data | - | - | | | _ | | - | |
| Inhalat | ion: | _ | - | | | _ | | - | | |
| | | | | | | | | | | |
| | Specific ta | rget organ tox | cicity – single ex | posure | (STOT SE): | | | | | |
| | | Specific effo | Specific effects | | | Target organ | | Note | | |
| Oral: | | No data | | | | | - | | | |
| Dermal: No data | | | | | | | | - | | |
| Inhalat | ion: | No data | | | | - | | - | | |
| | | | | | | | | | | |
| | Aspiration | n hazard: | | No dat | a | | | | | |
| | ī | | | | | | | | | |
| | Irritation | and corrosion: | | | | | | | | |
| | - | | Exposure | time | Species | Evalu | ation | Method | Note | |
| Skin co | rrosion/irrit | ation | No data | | _ | _ | | - | - | |
| Serious eye damage/irritation | | | No data | No data | | _ | | - | Irritant | |
| | - | | | | 1 | 1 | I_ | | | |
| | Sensitizat | ion | | | | | | | | |
| Cl.: | nsitization: | N | o data, possible | . ! | | ماناه ماناه | | | | |

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| Respiratory sensitization: | No da | ta available. | | | | | | | |
|----------------------------|--------------|--------------------|-------------|---------|-----------------|-------|--------|------|--|
| | • | | | | | | | | |
| Symptoms relate | d to the phy | sical, chemical a | nd toxicolc | gical o | characteristics | | | | |
| Oral exposure: | No data a | No data available. | | | | | | | |
| Dermal exposure: | No data a | ıvailable. | | | | | | | |
| Inhalation exposure: | No data a | vailable. | | | | | | | |
| Eye exposure: | No data a | vailable. | | | | | | | |
| | | | | | | | | | |
| Repeated dose to | xicity (suba | cute, subchronic | , chronic) | | | | | | |
| | Dose | Exposure time | Spec | cies | Method | Evalu | uation | Note | |
| Subacute oral | No data | - | - | | - | _ | | - | |
| Subacute dermal | No data | - | - | | - | - | | - | |
| Subacute inhalation | No data | _ | - | | _ | _ | | _ | |
| Subchronic oral | No data | - | - | | - | - | | - | |
| Subchronic dermal | No data | - | - | | - | _ | | - | |
| Subchronic inhalation | No data | - | - | | - | _ | | _ | |
| Chronic oral | No data | - | - | | - | | | _ | |
| Chronic dermal | No data | - | - | | - | - | | _ | |
| Chronic inhalation | No data | - | _ | | - | | | - | |
| | | - | - | | - | • | | | |
| Specific target or | gan toxicity | – repeated expo | sure (STOT | RE): | | | | | |
| | | Specific effects | | | Target organ | 1 | | Note | |
| Subacute oral | No data | | | _ | | | - | | |
| Subacute dermal | No data | | | _ | | | - | | |
| Subacute inhalation | No data | | | _ | | | - | | |
| Subchronic oral | No data | | | - | | | - | | |
| Subchronic dermal | No data | | | _ | | | - | | |
| Subchronic inhalation | No data | | | - | | | - | | |
| Chronic oral | No data | | | - | | | - | | |
| Chronic dermal | No data | | | _ | | | - | | |
| Chronic inhalation | No data - | | | | | | - | | |
| | | | | | | | | | |
| CMR effects (card | cinogenicity | ; mutagenicity; re | eproductive | e toxic | city) | | | | |
| Carcinogenicity: | | | No data | | | | | | |
| Mutagenicity in-v | vitro: | | No data | | | | | | |

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| | Genotoxicity: | No data |
|-------|--|---------|
| | Mutagenicity in-vivo: | No data |
| | Germ cell mutagenicity : | No data |
| | Reproductive toxicity: | No data |
| | | |
| | Summary of evaluation of the CMR properties; : | No data |
| | | |
| 11.2. | Practical experiences: | |
| | Classification observations: | No data |
| | Other observations: | No data |
| | | |
| | | |
| 11.3. | General notes: | |

| SECTION 12. E | cologica | l informa | ation | | | | | |
|------------------------------|----------|------------------|------------------|---------|---------|------------|------|--|
| 12.1. Toxicit | у | | | | | | | |
| Acute (short-term) toxicity | | Dose | Exposure time | Species | Method | Evaluation | Note | |
| Fish: | | LC ₅₀ | 96 hours | No data | - | - | - | |
| Crustacea: | | EC ₅₀ | 48 hours | No data | - | - | - | |
| Algae/aquatic p | lants: | IC ₅₀ | 72 hours | No data | - | - | - | |
| Other organism | ıs: | | | No data | - | - | - | |
| Chronic (long-term) toxicity | | Doza | Exposure time | Species | Method | Evaluation | Note | |
| Fish: LC | | LC ₅₀ | 96 hours | No data | - | - | - | |
| Crustacea: | | EC ₅₀ | 48 hours | No data | - | - | - | |
| Algae/aquatic p | lants: | IC ₅₀ | 72 hours | No data | - | - | - | |
| Other organism | ıs: | | | No data | - | - | - | |
| | | | | | | | | |
| 12.2. Persist | ence and | degradab | ility | | | | | |
| Abiotic | degrada | tion | | | | | | |
| Degradation half-lives | | | | Method | Evaluat | ion | Note | |
| Marine water | No data | | - | | - | - | | |
| Fresh water | No data | | - | | - | - | | |
| Air | No data | | - | | - | - | | |

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| Trade n | name: | | | | | Zidac | Univers | al disinfectar | nt | | |
|---------|-----------------|-----------|------------------|---------|----------------|---------|----------|----------------|---------|--|------|
| Produc | t code: | FO 4 | 0-00009 | | Date o | of comp | ilation: | 16.10.20 | 020. | Version: | 1 |
| | | | | | | | | | | | ' |
| Soil | | No data | | | - | | | - | | - | |
| | | | | | | | | | | | |
| | Biodegi | adation | | | | | | | | | |
| % Deg | % Degradation T | | | ays) | Method | | | Evaluati | on | | Note |
| No data | Э | - | | | - | | | - | | - | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | ' | | | 1 | | | | ' | | |
| 12.3. | Bioaccu | ımulative | potenti | al | | | | | | | |
| | Octano | l-water p | artition (| coeffic | cient (log Kov | w) | | | | | |
| Valu | е (| Concentr | ation | рН | °C | Me | ethod | Eval | luation | | Note |
| No data | a - | | | - | - | - | | - | | - | |
| | | | | | i | | | | | | |
| | | | | | | | | | | | |
| | I | | i | | <u>i</u> | | | l . | | i . | |
| | Biocono | entratio | n factor (| (BCF) | | | | | | | |
| V | 'alue | | Speci | | Method | | | Evalua | ition | ************************************** | Note |
| No data | | - | | | - | | | | | _ | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | I . | | | <u> </u> | | | |
| | Chronic | ecotoxic | city | | | | | | | | |
| | <u> </u> | | | | Exposure | _ | | | | # # # # # # # # # # # # # # # # # # # | |
| | Vrijedno | st | Dos | e | time | Spe | ecies | Method | Evaluat | ion | Note |
| Chronic | toxicity | on fish | LC ₅₀ | | No data | - | | - | - | - | |
| | toxicity | | EC ₅₀ | | No data | _ | | _ | _ | _ | |
| crustac | ea (Daph | nia) | 2050 | | | | | | | | |
| | | | | | | | | | | | |
| 12.4. | Mobilit | y in soil | | | | | | | | | |
| | Known | or predic | ted distr | ibutic | n in environi | mental | compar | tments: | | | |
| | No data | 9 | | | | | | | | | |
| | Surface | tension: | | | | | | | · | | |
| | Valu | ıe | °C | | Concentra | ation | | Method | | 1 | Note |
| | No data | - | | | - | | - | | - | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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| | Adsc | orption/desorption | | | | | | |
|-----------|------|-------------------------------------|---------|------------------|--------|------|--|--|
| Transp | ort | A/D coefficient Henry's constant | log Kow | Evaporation rate | Method | Note | | |
| Soil-W | ater | No data | | | - | - | | |
| Water-Air | | No data | - | - | - | - | | |
| Soil-Air | | No data | - | - | - | - | | |
| | | | | | | | | |
| 12.5. | Resu | lts of PBT and vPvB asse | essment | | | | | |
| | Not | Not PBT nor vPvB | | | | | | |
| | • | | | | | | | |
| 12.6. | Othe | er adverse effects | | | | | | |
| | None | e known. | | | | | | |

| SECTIO | N 13. Disposal considerations |
|---------|---|
| 13.1. | Waste treatment methods |
| • | duct should not be allowed to enter drains, water courses or the soil. Where possible recycling is d to disposal or incineration. If recycling is not practicable, dispose of in compliance with local ons. |
| 13.1.1. | Product/Packaging disposal: |
| | Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. |
| | |
| 13.1.2. | Waste codes/waste designations according to Low: |
| | |
| 13.1.3. | Waste treatment – relevant information: |
| | Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. |
| | |
| 13.1.4. | Sewage disposal – relevant information: |
| | Not to spill into the sewer |
| 13.1.5. | Other disposal recommendations: |
| | None |
| 13.1.6. | Relevant Community provisions: |

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| | | Waste management regulations |
|--|--|------------------------------|
|--|--|------------------------------|

| SECTION 14. Transport information | | | |
|--|-------------------|--|--|
| Transporting/shipment by road (ADR) | | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | II | | |
| Environmental hazards: | No | | |
| Special precautions for user: | None | | |
| Transporting/shipment by rail (F | RID) | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | II | | |
| Environmental hazards: | No | | |
| Special precautions for user: | None | | |
| Transporting/shipment by inland | d waterways (ADN) | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | II | | |
| Environmental hazards: | No | | |
| Special precautions for user: | None | | |
| Transporting/shipment by sea (I | MDG) | | |
| UN number: | 1170 | | |
| UN proper shipping name: | Ethanol | | |
| Transport hazard class(es): | 3 | | |
| Packing group: | II | | |
| Environmental hazards: | No | | |
| Special precautions for user: | None | | |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: | | | |
| Transporting/shipment by air (IC | CAO-TI/IATA-DGR) | | |
| UN number: | 1170 | | |

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|---------------|-------------|------------------------------|-------------|----------|---|
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| UN proper shipping name: | Ethanol | |
|---|---------|--|
| Transport hazard class(es): | 3 | |
| Environmental hazards: | No | |
| Special precautions for user: | None | |
| | | |
| Further information: Limited quantities LQ4 | | |

| 15.1. | Safety, health and environmental regulations/legislation specific for the substance or mixture | | | |
|-------|--|---|--|--|
| | EU regulations | | | |
| | Authorisations and/or res | strictions on use | | |
| | Authorisations: | No data | | |
| | Restrictions: | No data | | |
| | 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) — as amended 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 (CLP) — as amended Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Counci Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work — as amended Regulation (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products | | |
| | Information according 19 guideline) | 99/13/EC about limitation of emissions of volatile organic compounds (VOC- | | |
| | National legislation: | | | |
| 15.2. | Chemical safety assessment | | | |
| | None | | | |

| SECTION 16. Other information | | |
|-------------------------------|-----------------------------|--|
| 16.1. | Indication of changes: | |
| 16.2. | Abbreviations and acronyms: | |

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|---------------|-------------|------------------------------|-------------|----------|---|
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| 16.3. | | literature references and rce of data: | Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet. |
|----------------|---|--|--|
| 16.4. | Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP) | | |
| Classification | | 1 | Classification procedure |
| | | | |
| 16.5. | Relevant H statements (numb | | per and full text) |
| | H: | 225 | Highly flammable liquid and vapour. |
| | H: | 319 | Causes serious eye irritation. |
| 16.6. | Training advice: Non | | None |
| 16.7. | Further intermation: | | All of the above information is based in current knowledge. This MSD S is made exclusively for this product. |

| ANNEX: Exposure scenario resulting to Chemical safety assessment | |
|--|--|
| | |