Empack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571

**PRODUCT: Zytec Disinfectant Wipes (Citric Acid) - 100 Wipes** **CODE: P1-001255**

## SECTION 01: IDENTIFICATION

| | |
|---|---|
| Product Identity | Zytec Disinfectant Wipes (Citric Acid) - 100 Wipes |
| Product Item Numbers | P1-001255 |
| Supplier | Empack Spraytech Inc.<br>98 Walker Drive<br>Brampton<br>Ontario<br>Canada<br>L6T 4H6<br>905-792-6571 |
| 24 hour emergency telephone number | In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300. |
| Recommended Use | Hard surface disinfectant. |

## SECTION 02: HAZARD IDENTIFICATION

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|---|---|
| Label Elements: | |
| Signal Word | WARNING. |
| Hazard Classification: | |
| Physical Hazards | Not Classified. |
| Health Hazards | Skin Irritation - Category 3. |
| Environmental Hazards | Not Classified. |
| Hazard Statement | H316:Causes mild skin irritation. |
| Precautionary Statements: | |
| Prevention | None. |
| Response | P332+P313:If skin irritation occurs: Get medical help. |
| Storage | None. |
| Disposal | None. |
| Hazard(s) not otherwise classified (HNOC) | Use only as directed. Direct eye contact may cause slight or mild, transient irritation. Do not use near eye or mouth areas and do not ingest. KEEP OUT OF REACH OF CHILDREN. |

## SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|---|---|---|
| Citric Acid | 77-92-9 | 1-5 |
| Fragrance | Mix | 0.1-1 |

## SECTION 04: FIRST-AID MEASURES

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| Skin Contact | The product is not expected to be skin irritant. However, if irritation persists, wash the contact skin area with soap and water. |
| Eye Contact | Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists. |
| Ingestion | Ingestion is not a likely route of exposure. Do not induce vomiting, observe carefully, do not give liquid to person showing signs of sleepiness, reduced awareness or becoming unconscious. Give water to rinse out mouth. If irritation persists, Get medical attention. |
| Inhalation | No specific effects have been reported. Supply fresh air if any irritations persists. |
| Most important symptoms/effects, acute and delayed | Direct eye contact may cause temporary eye irritation. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |

## SECTION 05: FIRE-FIGHTING MEASURES

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| General Fire Hazards | Use as directed. |
| Suitable Extinguishing Media | Dry chemical powder. Carbon dioxide. Foam, water spray or fog. |
| Unsuitable Extinguishing Media | None in particular. |
| Specific Hazards Arising from the Chemical | None known. |
| Special Protective Equipment and Precautions for Firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do. |

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## SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Personal Precautions, Protective Equipment and Emergency Procedures | Do not ingest. Avoid contact with eyes. Ensure adequate ventilation. Material can create slippery conditions. Use personal protective equipment. |
| Methods and Materials for Containment and Cleaning Up | Soak up with inert absorbent material. Spill areas may be slippery. Use care to avoid falls or other accidents . Wash with plenty of water. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations. |
| Environmental Precautions | Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. |

## SECTION 07: HANDLING AND STORAGE

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| Precautions for Safe Handling | Avoid contact with eyes. Use with adequate ventilation. |
| Conditions for Safe Storage including any Incompatibilities | Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. |

## SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | ACGIH TLV TWA | ACGIH TLV STEL | OSHA PEL PEL | OSHA PEL STEL | NIOSH REL |
|---|---|---|---|---|---|
| Citric Acid | Not available | Not available | Not available | Not available | Not available |
| Fragrance | Not established | Not established | Not established | Not established | Not established |

| | |
|---|---|
| Appropriate Engineering Controls | Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. |
| Individual Protection Measures: | |
| Eye/Face Protection | Prevent eye contact, wear safety glasses in the event that eye contact is possible. |
| Skin Protection | Not normally required. |
| Respiratory Protection | Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies. |
| Thermal Hazards | None Known. |
| General Hygiene Considerations | When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use. |

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State | Wet wipes. |
| Physical Appearance | Clear. |
| Odour | Lemon. |
| Odour Threshold (ppm) | Not available. |
| pH | 2.0 - 3.0. |
| Aerosol Vapour Pressure (psig, 21°C) | Not applicable. |
| Vapour Pressure (psig) | Not available. |
| Evaporation Rate (n-Butyl Acetate = 1) | Not available. |
| Boiling Point (°C) | 100. |
| Melting/Freezing Point (°C) | Not applicable. |
| VOC Content | No data. |
| Relative Density/Specific Gravity | No data. |
| Solubility in water | Soluble in water. |
| Auto Ignition Temperature (liquid), °C | Not applicable. |
| Flash Point (°C), Method | Not applicable. |
| Lower Explosive Limit (%, vol) | Not applicable. |
| Upper Explosive Limit (%, vol) | Not applicable. |
| Viscosity | No data. |
| Note | The properties stated above refer to the physical and chemical properties of liquid used to wet the wipes. |

## SECTION 10: STABILITY AND REACTIVITY

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| Reactivity | Product not reactive under normal conditions of use. |
| Chemical Stability | Stable at normal temperatures and pressures. |
| Possibility of Hazardous Reactions | Will not occur. |
| Conditions to Avoid | Avoid sources of heat and flame, and electrostatic charge. |
| Incompatible Materials | Avoid contacting with oxidizers. |
| Hazardous Decomposition Products | Normal products of combustion. |

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## SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|---|---|---|
| Citric Acid | Not available | 11,700 mg/kg (Rat) |
| Fragrance | No data | No data |

Information on Likely Routes of Exposure:

Routes of entry - Inhalation..... No.
Routes of entry - Skin & Eye..... Yes.
Routes of entry - Ingestion..... No.
Routes of entry - Skin Absorption..... Yes.
Symptoms Related to the Physical, ..... Irritant effects.

Chemical and Toxicological Characteristics

Acute Toxicity..... No known significant effects.
Skin Corrosion/Irritation..... Based on available data, the classification criteria are not met.
Serious Eye Damage/Eye Irritation..... Direct eye contact may cause slight redness.
Respiratory or Skin Sensitization..... Not expected to be a skin or respiratory sensitizers.
Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.
Carcinogenicity..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.
Reproductive Toxicity..... Based on available data, the classification criteria are not met.
STOT - Single Exposure..... Based on available data, the classification criteria are not met.
STOT - Repeated Exposure..... Not classified.
Aspiration Hazard..... Based on available data, the classification criteria are not met.
Chronic Effects..... No long term chronic effects are known or anticipated.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions .
Persistence and degradability ..... The product itself has not been tested.
Bioaccumulation Potential..... The product itself has not been tested.
Mobility in Soil..... The product itself has not been tested.
Other Adverse Effects..... None Known.

## SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... Not regulated as a dangerous good.
DOT (US-Road)..... Not regulated as a dangerous good.
IMDG (International- Marine)..... Not regulated as a dangerous good.
IATA (International- Air)..... Not regulated as a dangerous good.

## SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... Refer to Section 2 for a WHMIS 2015 Classification for this product.
Domestic Substances List (DSL)..... Yes.
US Regulations..... All substances contained in this product are listed on the TSCA inventory or are exempt. This product is considered hazardous under the OSHA Hazard Communication Standard.

## SECTION 16: OTHER INFORMATION

Disclaimer..... The information contained herin is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

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