



Material Safety Data Sheet

12869 N. Via Vista Del Pasado, Oro Valley, AZ, 85755, USA • (520) 333-0898
www.hortitecusa.com

Product Name: Hortikem Cytovit
Product Number: 0004

Issue Date: 4-Apr-2004
Revise Date: 25-Nov-2013

| SECTION I | | CHEMICAL PRODUCT AND COMPANY | |
|-----------------------------------|---|--|----------------------------|
| Product Description | Protein Hydrolysate complex foliant fertilizer with Phosphorous | | |
| Manufacture 's Name | Hortikem SA de CV | | |
| Address | Niños Heroes 255 Sur Col Centro, Los Mochis , Sinaloa , Mexico | | |
| Emergency Telephone Number | USA (520) 333-0898 | | |
| Telephone Number for Information | USA (520) 333-0898 | | |
| SECTION II | | COMPOSITION / INFORMATION ON INGREDIENTS | |
| Chemical Name | CAS No | % W | TLV |
| Protein Hydrolysate | N/E | 5-10 | N/E |
| Phosphoric Acid | 7664-38-2 | 6-12 | 1-3mg/m ³ , TWA |
| Citric Acid | 77-92-9 | 1-2 | N/E |
| SECTION III | | HAZARDS IDENTIFICATION | |
| Ingestion: | Harmful if swallowed. | | |
| Inhalation: | Low or non hazardous by this route. | | |
| Eye contact: | Likely to cause considerable irritation and discomfort, slight or non chance of corneal injury | | |
| Skyn Absortion: | Low or none in toxicity by this route, may cause irritation. | | |
| Skin Contact: | No likely to cause any discomfort, prolonged exposure may cause irritation. | | |
| Effects of overdose: | Ingestion can cause aggravation or corrosion of the digestive tract, can cause vomiting, it may produce abrasions on skin and eyes upon long time exposure. | | |
| SECTION VI | | FIRST AID MEASURES | |
| Eyes: | Flush eye with water for at least 10 minutes. If any discomfort persists obtain medical attention. | | |
| Skin: | Wash skin thoroughly with water and soap . Remove contaminated clothing and wash before reuse. If discomfort appear, obtain medical attention. | | |
| Ingestion: | Wash out mouth thoroughly with water, give 2-3 glasses of milk to induce vomiting. Obtain medical attention. | | |
| Inhalation: | Remove from exposure, rest and keep warm. In severe cases obtain medical attention. | | |
| SECTION V | | FIRE FIGHTING MEASURES | |
| Extinguishing Media: | Non Flammable, use media suitable to extinguish source of fire | | |
| Special Fire Fighting Procedures: | Water spray, foam, dry chemical, or carbon dioxide, use breathing equipment. | | |

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| SECTION VI ACCIDENTAL RELEASE MEASURES | |
|--|--|
| Environmental Precautions: | Keep out of water supplies. Do not contaminate water or sewer |
| Spills | Mop up with absorbent material and place in a disposal container. Dispose of in a manner according to local regulations. |
| SECTION VII HANDLING AND STORAGE | |
| Handling: | Wear protective clothing and wash areas of contact after handling. |
| Storage: | Store in a cool, dry place in original container. Do not leave product in open containers. |
| SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| Eyes and Face: | Wear appropriate clothing and eye protection. |
| Respiratory: | Fine dust respirator to standard R95 or equivalent. |
| Protective Clothing: | Wear appropriate clothing. |
| Work Hygienic Practices: | Good general ventilation should be sufficient to control airborne levels. |
| SECTION IX PHYSICAL AND CHEMICAL PROPERTIES | |
| Physical State: | Liquid |
| Odor: | Sweet |
| Appearance: | Liquid |
| Color: | Brown |
| pH: | 2.0-2.5(1 % in distilled water) |
| Boiling point: | 226° F |
| Freezing Point: | -8° F |
| Melting Point: | Not available |
| Density: | 1.075 - 1.085g/mL |
| Solubility: | 100% |
| SECTION X STABILITY AND REACTIVITY | |
| Stability: (normal conditions) | Stable |
| Hazardous Polymerization | Will NOT occur |
| Hazardous Decomposition Products | Metal oxides and carbon dioxide are possible decomposition products. |
| SECTION XI TOXICOLOGICAL INFORMATION | |
| Target Organs | No target organs are known for this product. |
| Carcinogenicity | Not listed |
| General Comments | The suppliers of this product have no evidence to suggest that this product has carcinogenic properties or mutagenic or teratogenic effects. |

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| SECTION XII ECOLOGICAL INFORMATION | |
|--|--|
| General Comments | Quantitative data on the ecological effects of this product are not available. Care should be taken to avoid entry of ANY chemical product into natural watercourses. No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. |
| SECTION XIII DISPOSAL CONSIDERATIONS | |
| Disposal Considerations | Chemical residues are classified as special waste and as such are covered by local and/or federal regulations which vary in accordance to location. Contact your local waste disposal authority for advice or pass to a chemical disposal company. |
| SECTION XIV TRANSPORTATION INFORMATION | |
| Proper shipping name | Hortikem Cytovit |
| DOT hazard Class | Non - Regulated Material |
| Placard | N/A |
| SECTION XV REGULATORY INFORMATION | |
| General Comments | This product is not regulated by any known government agency as hazardous. |
| SECTION XVI OTHER INFORMATION | |
| Manufacture Disclaimer | <p>The information supplied on this sheet is to the best of our knowledge accurate at the time of preparation. It does not relieve the user of this product of any responsibility to comply with local, national, or international laws relating to the handling or use of this product.</p> <p>The suppliers do not accept responsibility for any claims resulting from the misuse of this product or failure to comply with the information stated within.</p> |