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e e 24-Mar-2015

Revision Date 01-Sep-2020

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Product Name BIO-TEC 25

Other means of identification

Product Code ABC061
 UN/ID No. UN1908
 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Oxidizing Microbiocide Chlorine Dioxide Precursor.
 Uses advised against No information available

Manufacturer Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

Sodium Chlorite Solution; Chlorous Acid, Sodium Salt; 25% Active Sodium Chlorite Solution

Bio-Tec 25 is a registered antimicrobial pesticide. EPA Registration Number 5382-43-150. It has numerous uses including uses in potable water, industrial cooling water, mollusk control, food-plant process water, wastewater, slime control in paper mills, and oilfield water. Bio-Tec 25 can also be used for poultry processing water.

This is a pesticide product; do not use in a pesticide application that is not approved by the EPA. EPA Reg. No. 5382-43-150

more severe corrosive and oxidizer when dry. This material's pH and oxidative action contribute to its health and physical hazards. If not stored in original container; store in a corrosive resistant container with a resistant inner liner. Always package, store, transport and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations. Do not contaminate with acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter.

*+63+<6,&\$/+=\$5'6

*+63+<6,&\$/+=\$5'6	Oxidizing Liquid - GHS Category 3: May intensify fire; oxidizer May be corrosive to metals
*+6&217\$&7+=\$5'6.,1	Category 1B - Causes severe skin burns and eye damage
*+6&217\$&7+=\$5'(<	Category 1 - Causes serious eye damage
*+6\$&87(72;,&,7<25\$/'	Category 4 - Harmful if swallowed
+67\$5(725*\$172;,&,7<5(3(\$7'(&,32685(Category 2 - May cause damage to blood, spleen, and stomach through prolonged or repeated exposure
*+=\$5'612727+(5;6(&/\$66.),('+12&	- ACUTE TOXICITY - DERMAL: Category 5 (May be harmful in contact with skin) - AQUATIC TOXICITY - ACUTE: Category 1 (Very toxic to aquatic life) - ACQUATIC TOXICITY - CHRONIC: Category 3 (Harmful to aquatic life with long lasting effects) - According to NFPA 400, this material is classified as a Class 2 Oxidizer. Class 2 Oxidizers will increase the burning rate of combustible materials with which they come in contact. In addition, they may cause spontaneous ignition when in contact with a combustible material

*+66<0%2/ Oxidizer, Corrosive, Health hazards, Exclamation mark, Environmental hazard



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- May intensify fire; oxidizer
- May be corrosive to metals

GHS - Health Hazard Statement(s) -

- Harmful if swallowed
- Causes severe skin burns and eye damage

- May cause damage to blood, spleen, and stomach through prolonged or repeated exposure

Additional Hazards - GHS Hazards Not Otherwise Classified (HNOC):

- MAY BE HARMFUL IN CONTACT WITH SKIN
- ACUTE AQUATIC HAZARD - CATEGORY 1: Very toxic to aquatic life
- CHRONIC AQUATIC HAZARD - CATEGORY 3: Harmful to aquatic life with long lasting effects

GHS - Precautionary Statement(s) - Prevention

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep away from combustible materials
- Keep only in original container
- Do not breathe mist, vapors, or spray
- Wash skin and contaminated clothing thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves, protective clothing, eye, and face protection
- Avoid release to the environment

GHS - Precautionary Statement(s) - Response

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower
- IF EXPOSED (skin/eye): Immediately call a POISON CENTER OR PHYSICIAN
- Specific treatment for skin contact (see First Aid information on product label and/or Section 4 of the SDS)
- Wash contaminated clothing before reuse
- IF EXPOSED (skin): Immediately call a POISON CENTER OR LICENSED HEALTH CARE PROVIDER
- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
- IF INHALED: Immediately call a POISON CENTER OR PHYSICIAN
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF IN EYES: Immediately call a POISON CENTER or physician
- Get medical advice/attention if you feel unwell
- Absorb spillage to prevent material damage
- Collect spillage
- In case of fire: Use large amounts of water to extinguish

GHS - Precautionary Statement(s) - Storage

- Store in secure manner
- Store in corrosive resistant container with a resistant inner liner

GHS - Precautionary Statement(s) - Disposal

- Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations

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- NFPA Class 2 Oxidizer (Class 2 Oxidizers will increase the burning rate of combustible materials with which they come in contact. In addition, they may cause spontaneous ignition when in contact with a combustible material)

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- May be harmful in contact with skin
- Potential endocrine disruptor

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)LUH)LJKWLQJWear NIOSH approved positive-pressure self-contained breathing apparatus. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

+D]DUGRXV&RPEXVWLRQ3URGXFWNOrine; Oxides of sodium

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6HQVLWLYLWWR6WDWLF'LVFKDUse nsitive.

/RZHU)ODPPDELOLWVHYHODLUNot flammable

8SSHU)ODPPDELOLWVHYHODLUNot flammable

)ODVKSRLQW Not applicable

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- *+63+<6,&\$/+=\$=5'6
- Oxidizing Liquid - GHS Category 3: May intensify fire; oxidizer
- May be corrosive to metals

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3HUVRQDO3UHFDXWLRQ#Isolate hazard area and deny entry. Keep unnecessary and unprotected personnel from entering the area. Avoid contact with skin and eyes. If material is allowed to dry, DO NOT make airborne. DO NOT breathe dust. Wear appropriate personal protective equipment recommended in Section 8 of the SDS.

3HUVRQDO3URWHFWLYH(TXLSR#When personnel must wear proper protective equipment. For Unknown Concentrations or exposures above IDLH (Immediately Dangerous to Life or Health) - Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece. See section 8 for information on personal protective equipment.

(PHUJHQF\3URFHGXUHV#Evacuate unnecessary personnel and eliminate all sources of ignition. For other than minor leaks, immediately implement predetermined emergency plan. Restrict access to the area until cleanup is complete. Stop the release if it can be done safely from a distance. Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release. Sodium chlorite may represent an explosion hazard if it contacts acids or chlorine. If such contact is possible, evacuation procedures must be placed into effect. Cleanup personnel must wear proper protective equipment. Notify all downstream water users of possible contamination.

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