

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

1 Identification of substance:

- **Product name:** **TB Brilliant Green K**
- **Catalog number:** 212523
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-0100 or (800) 638-8663
- **Information department:** Technical services
- **Emergency information:**
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800) 638-8663, or ChemTrec at (800) 424-9300.

2 Composition/Data on components:

- **Chemical characterization:**
- **CAS No. Description:**
Not applicable
- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

| | | |
|----------|-----------------|------|
| 633-03-4 | brilliant green | 0.2% |
|----------|-----------------|------|

3 Hazards identification

· **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- **Classification system**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **HMIS ratings (scale 0-4)**

| | | |
|------------|---|----------------|
| HEALTH | 2 | Health = 2 |
| FIRE | 0 | Fire = 0 |
| REACTIVITY | 0 | Reactivity = 0 |

4 First aid measures

- **General information**
Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- **After swallowing** Immediately call a doctor.

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Information for doctor Show this product label or this MSDS.**5 Fire fighting measures**

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
In certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** The product is not flammable
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 15 - 30 °C
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from oxidizing agents.
Store away from metals.
Store away from organic material, and chlorinated solvents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

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· Protection of hands:


Chemical resistant gloves (i.e. nitrile, or equivalent).

· Eye protection: Safety glasses

· Body protection: Protective work clothing (lab coat).

9 Physical and chemical properties:

· General Information

| | |
|---------------|----------|
| Form: | Liquid |
| Color: | Green |
| Odor: | Odorless |

· Change in condition

| | |
|-------------------------------------|-------|
| Melting point/Melting range: | 0°C |
| Boiling point/Boiling range: | 100°C |

· Flash point: Not applicable

· Danger of explosion: Product does not present an explosion hazard.

· Vapor pressure at 25°C: 23 hPa

· Density at 25°C: 0.99 g/cm³
· Solubility in / Miscibility with

| | |
|---------------|---------|
| Water: | Soluble |
|---------------|---------|

· pH-value: Not applicable

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known

· Dangerous products of decomposition:

Carbon monoxide (CO) and carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Sulfur oxides (SO_x)

11 Toxicological information

· Acute toxicity:
· LD/LC50 values that are relevant for classification:
633-03-4 brilliant green

| | | |
|------|------|-----------------|
| Oral | LD50 | 410 mg/kg (rat) |
|------|------|-----------------|

· Primary irritant effect:
· on the skin: Irritant to skin and mucous membranes.

· on the eye: Irritating effect.

· Sensitization: No sensitizing effects known.

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· Additional toxicological information:*Harmful**The product shows the following dangers according to internally approved calculation methods for preparations:***12 Ecological information:****· Ecotoxicological effects:****· Other information:***The ecological effects have not been thoroughly investigated, but currently none have been identified.***· General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**13 Disposal considerations****· Product:****· Recommendation***Must not be disposed of with solid waste.**Must adhere to official regulations.***· Uncleaned packagings:****· Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information****· DOT regulations:****· Hazard class:** -**· Land transport ADR/RID (cross-border)****· ADR/RID class:** -**· Maritime transport IMDG:****· IMDG Class:** -**· Marine pollutant:** No**· Air transport ICAO-TI and IATA-DGR:****· ICAO/IATA Class:** -**15 Regulations****· SARA Section 355 (extremely hazardous substances)***None of the ingredients is listed.***· SARA Section 313 (specific toxic chemical listings)***None of the ingredients is listed.***· TSCA (Toxic Substances Control Act)**

633-03-4 brilliant green

1310-73-2 sodium hydroxide

· California Proposition 65 - Chemicals known to cause cancer*None of the ingredients is listed.***· California Proposition 65 - Chemicals known to cause reproductive toxicity for females:***None of the ingredients is listed.*

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· California Proposition 65 - Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· California Proposition 65 - Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenicity categories**· IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· Product related hazard information:

Observe the general safety regulations when handling chemicals

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.

· Hazard symbols:

Xn Harmful

· Hazard-determining components of labeling:

brilliant green

· Risk phrases:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

· Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16 Other information:

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· Department issuing MSDS: Safety and Environment Department**· Contact:** Technical Service Representative

CDN